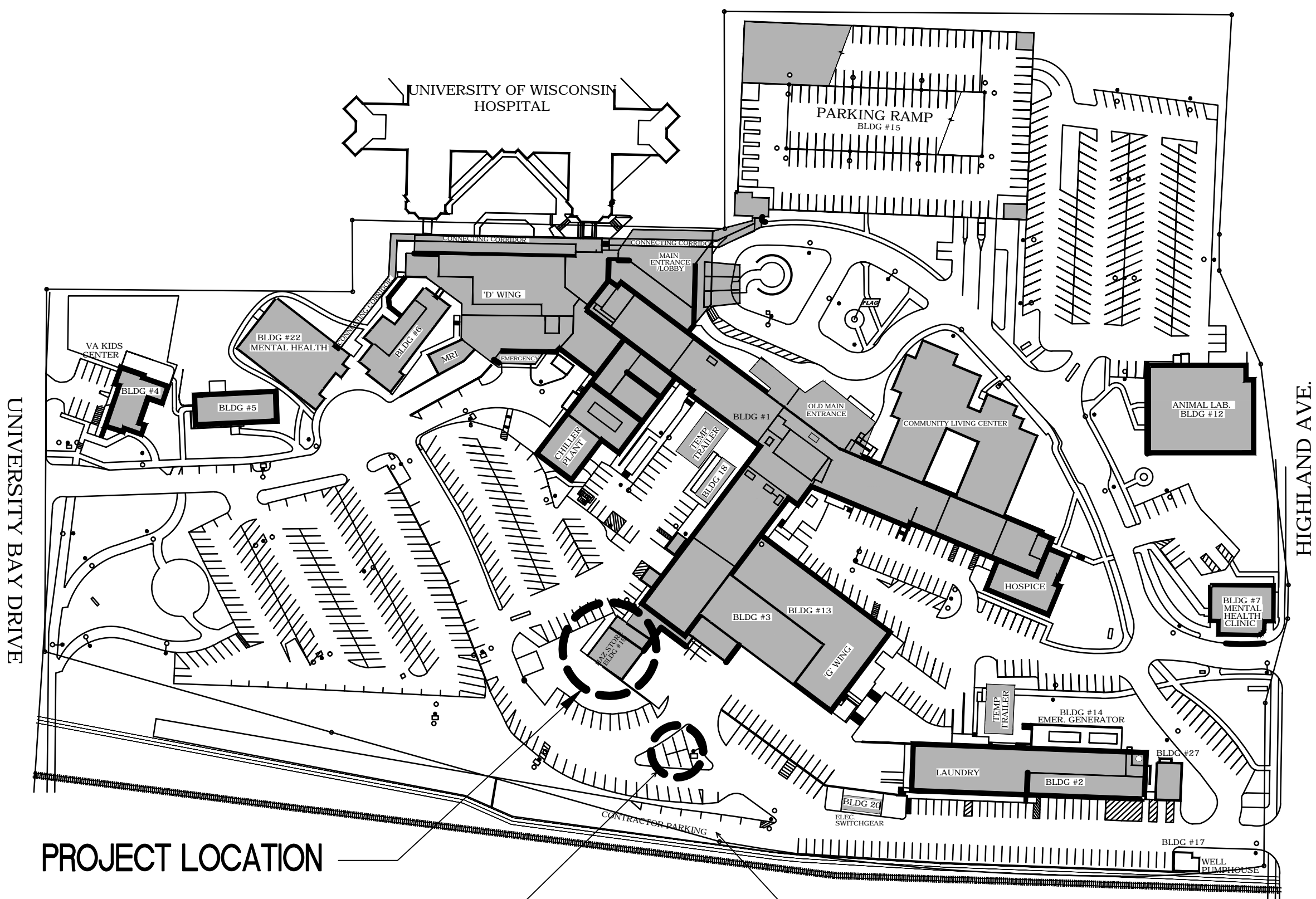




DEPARTMENT OF VETERANS AFFAIRS

WILLIAM S. MIDDLETON VA HOSPITAL 2500 OVERLOOK TERRACE MADISON, WISCONSIN 53705
CONSTRUCT PHARMACY CACHE
VA PROJECT NUMBER 607-13-101
IDG PROJECT NUMBER 121002

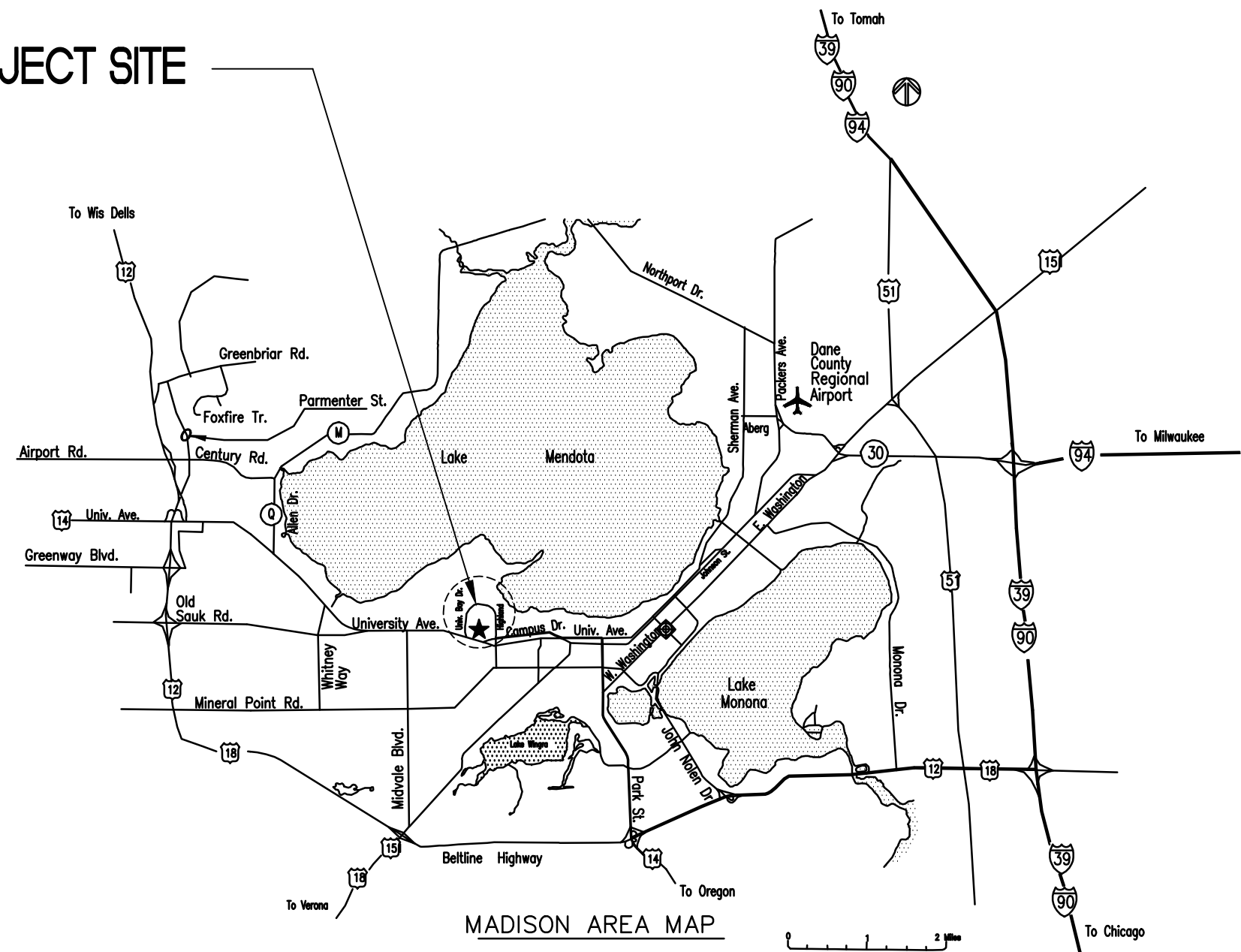


PROJECT LOCATION

APPROXIMATE LOCATION TO STOCKPILE SOILS - COORDINATE W/ COR
CONTRACTOR PARKING AREA BY PERMIT ONLY



PROJECT SITE



Vicinity Map

ARCHITECTURAL SYMBOLS

	CENTER LINE		DETAIL INDICATOR
	ELEVATION INDICATOR		DETAIL INDICATOR
	CENTER LINE INDICATOR		DETAIL INDICATOR FOR SMALL CONDITIONS
	CONTRACT LIMIT LINE		DIMENSION LINE
	DEMOLITION LINE		DOOR OPENING/BORROWED LIGHT IDENTIFIER
	EXISTING TO REMAIN LINE		DRAWING BLOCK TITLE, TYPICAL
	FEATURES ABOVE LINE INDICATOR		ELEVATION INDICATOR, EXTERIOR
	FIRE RESISTIVE RATED LINE, 1 HOUR		ELEVATION INDICATOR, INTERIOR, MULTIPLE VIEW
	FIRE RESISTIVE RATED LINE, 2 HOUR		ELEVATION INDICATOR, INTERIOR, SINGLE VIEW
	FIRE RESISTIVE RATED LINE, 3 HOUR		BUILDING SECTION INDICATOR
	FIRE RESISTIVE RATED LINE, 4 HOUR		GRAPHIC SCALE
	FIRE-RATED, SMOKE BARRIER LINE, 1 HOUR		DETAIL INDICATOR
	FIRE-RATED, SMOKE BARRIER LINE, 2 HOUR		FURNITURE, FIXTURE, & EQUIPMENT INDICATOR
	FIRE-RATED, SMOKE BARRIER LINE, 3 HOUR		GRAPHIC SCALE, 1/8"=1'-0"
	FIRE-RATED, SMOKE BARRIER LINE, 4 HOUR		ROOM NAME AND NUMBER
	HIDDEN FEATURES LINE		FIRE EXTINGUISHER CABINET
	NEW LINE		CORNER GUARD
	PROPERTY LINE		V V ITEM - VA SUPPLIED & INSTALLED
	SMOKE BARRIER LINE		VC ITEM - VA SUPPLIED & CONTRACTOR INSTALLED
	BREAK, ROUND (USER DEFINES SIZE)		CC ITEM - CONTRACTOR SUPPLIED & INSTALLED
	BREAK, STRAIGHT (SEE SECTION INDICATORS, BUILDING, WITH BREAK STANDARDS)		
	COLUMN GRID		
	KEYNOTE		
	WALL OR PARTITION TYPE		
	NORTH ARROW		

MATERIALS LEGEND

	CONCRETE		EXISTING CONSTRUCTION TO REMAIN		RIGID INSULATION
	EARTH		EXISTING CONSTRUCTION TO BE REMOVED		BATT INSULATION
	BASE COURSE		NEW CONSTRUCTION		

BUILDING INFORMATION

IBC, NFPA 101: LATEST ADDITION
OCCUPANCY: IBC S-1 MODERATE HAZARD STORAGE
CLASS OF CONSTRUCTION: IBC 2B NON-COMBUSTIBLE (CONSTRUCTED AS 1A)
BUILDING FULLY SPRINKLERED

FIRE RATINGS	IN HOURS
BEARING WALLS & COLUMNS	3
TRUSSES, GIRDERS, BEAMS	3
FLOOR CONSTRUCTION	2
ROOF CONSTRUCTION	2
SHAFTS	2

AREA SQUARE FOOTAGE	RENOVATION AREA
GROUND FLOOR	1783 SF

SHEET INDEX

G100	COVER SHEET / ABBREVIATIONS AND SYMBOLS
G101	LIFE SAFETY PLAN
H100	ASBESTOS ABATEMENT PLAN - GROUND FLOOR
C100	EXISTING SITE AND EROSION CONTROL PLAN
C200	DEMOLITION PLAN
C300	SITE LAYOUT AND GRADING PLAN
C900	SITE CONSTRUCTION DETAILS
A100	GROUND FLOOR PLAN - DEMOLITION AND NOTES
A110	EXISTING EXTERIOR ELEVATIONS - DEMOLITION AND NOTES
A111	BUILDING SECTIONS - DEMOLITION AND NOTES
A200	GROUND FLOOR PLAN - RENOVATION AND NOTES
A201	ROOF PLAN - RENOVATION AND NOTES
A400	NEW EXTERIOR ELEVATIONS - RENOVATION AND NOTES
A500	BUILDING SECTIONS - RENOVATION AND NOTES
A501	EXTERIOR WALL SECTIONS
A600	SECTION DETAILS
A601	PLAN DETAILS AND WALL TYPES
S001	GENERAL NOTES
S100	FOUNDATION AND FRAMING PLANS
S500	FOUNDATION DETAILS
S505	MASONRY DETAILS
S510	STEEL DETAILS
S511	STEEL DETAILS
P001	PLUMBING PLANS, GENERAL NOTES, LEGENDS AND SCHEDULES
M001	MECHANICAL GENERAL NOTES, LEGENDS, CONTROL DIAGRAM AND POINTS.
M002	MECHANICAL SCHEDULES, ROOF PLAN AND COMMUNICATIONS WIRING PLAN
M100	MECHANICAL PLANS
M200	MECHANICAL DETAILS
M201	MECHANICAL DETAILS
E001	ELECTRICAL GENERAL NOTES, LEGENDS, AND SCHEDULES
E100	ELECTRICAL PANEL LOCATIONS AND DEMO PLANS
E101	ELECTRICAL LIGHTING, POWER, AND SYSTEMS PLANS
E200	ELECTRICAL SCHEDULES

PROJECT INFORMATION				
NAME OF PROJECT:	MIDDLETON VA HOSPITAL - PHARMACY CACHE			
ADDRESS:	2500 OVERLOOK TERRACE MADISON WISCONSIN 53705			
PROPOSED USE:	STORAGE: PHARMACY CACHE			
OWNER OR AUTHORIZED AGENT:	DEPARTMENT OF VETERANS AFFAIRS			
OWNED BY:	FEDERAL			
DESIGN BY:	VA			
CODE ENFORCEMENT JURISDICTION:				
VA				
DESIGN RESPONSIBILITY				
DISCIPLINE	FIRM	NAME	LICENSE NUMBER	TELEPHONE
ARCHITECTURAL	NAGEL ARCHITECTS	GREG NAGEL	A-9535	262-641-0746
INTERIOR DESIGN				
CIVIL	GRAF	EDWARD PREMIO	E-41079	608-242-1550
STRUCTURAL	GRAF	BRYANT STEMPSKI	E-37299	608-242-1650
PLUMBING	IBC ENGINEERING	LEV ZVENYACH	E-26627	262-549-1190
MECHANICAL	IBC ENGINEERING	LEV ZVENYACH	E-26627	262-549-1190
ELECTRICAL	IBC ENGINEERING	LEV ZVENYACH	E-26627	262-549-1190
Other				

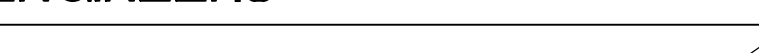
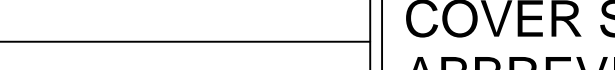

Approved: Chief of Construction, FM

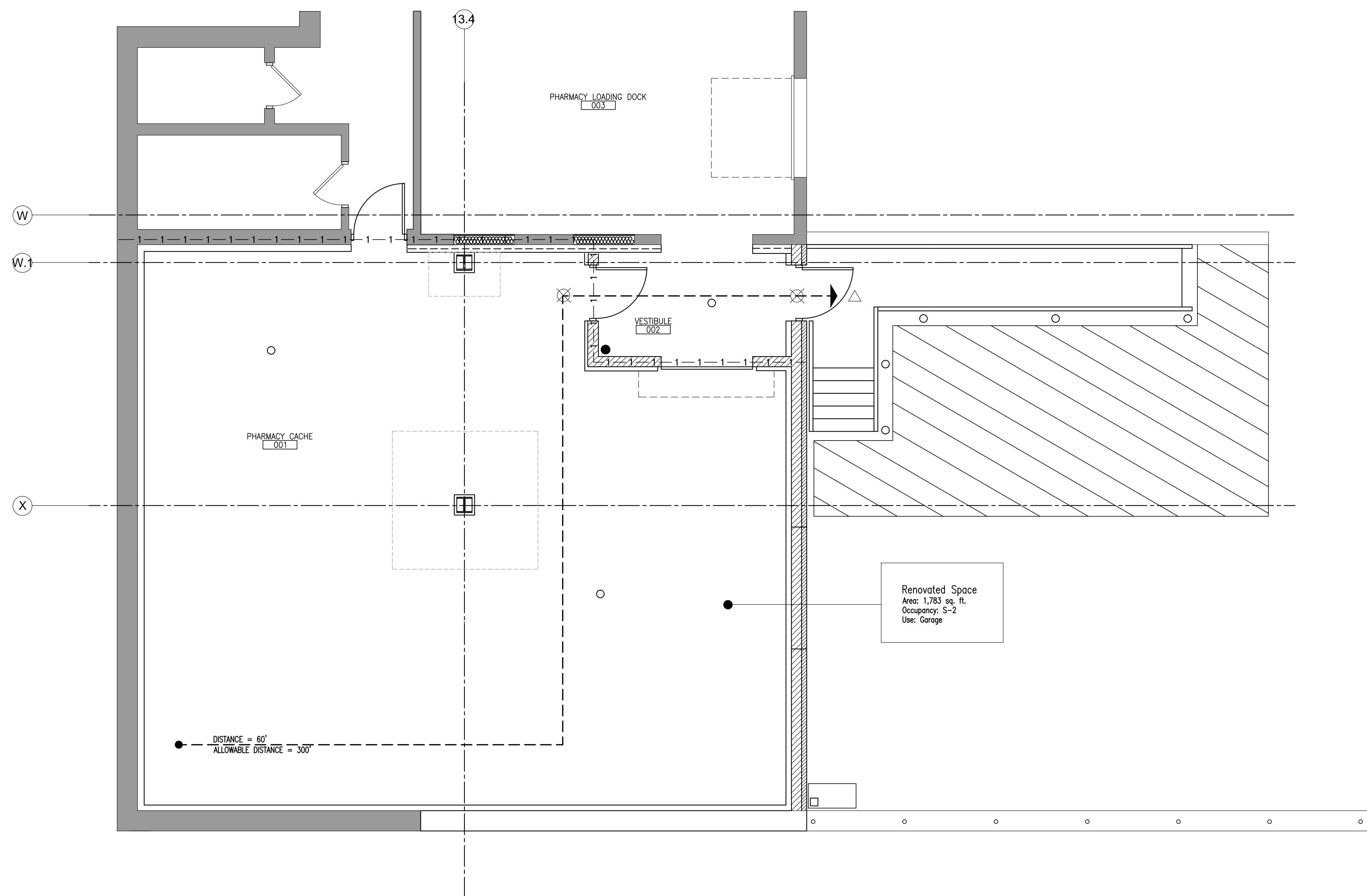
Approved: VA Project Engineer

Approved: Office Manager

Approved: Architect / Engineer

100% CONSTRUCTION DOCUMENTS

		CONSULTANTS:				ARCHITECT/ENGINEERS:		Drawing Title COVER SHEET ABBREVIATIONS AND SYMBOLS		Project Title Middleton VAH Construct Pharmacy Cache		Project Number 607-13-101		Office of Construction and Facilities Management	
						13100 watertown plank road suite 200 elm grove, wi 53122 p 262.641.0746 f 888.600.6207		 				Building Number 19			
										Location Madison, WI		Drawing Number G100			
Revisions:		Date						Approved Project Director		Date May 13, 2013		Checked SAM		Drawn SAS	
														 Department of Veterans Affairs	



GENERAL NOTES:

1. EXISTING BUILDING PLANS HAVE BEEN SHOWN ACCORDING TO ORIGINAL BUILDING PLANS AND FIELD NOTES AND MEASUREMENTS. EXISTING CONDITIONS AND DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTORS AND DISCREPANCIES REPORTED TO THE ARCHITECT PRIOR TO FRAMING.
2. EXISTING WALLS, PARTITIONS, FLOOR LINES AND DOORS AND WINDOWS THAT REMAIN ARE SHOWN IN CONTINUOUS LINE WEIGHT. THESE AND EXISTING FLOOR AND WALL FINISHES THAT ARE SCHEDULED TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING THE COURSE OF REPAIRS. IF ANY SUCH EXISTING CONDITIONS WHICH ARE DAMAGED BECOME UNSTABLE DUE TO OTHER DEMOLITION SHALL BE REPLACED AT NO COST TO OWNER WITH NEW CONSTRUCTION TO MATCH.
3. GC SHALL PROVIDE AND MAINTAIN APPROPRIATE BARRICADES AND SAFETY MEASURES IN AREAS OF CONSTRUCTION AT ALL TIMES.
4. ALL CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR UNLESS OTHERWISE SPECIFIED BY OR AGREED WITH THE GC.
5. ALL EXISTING WALLS, PATCH PLUGS TO REPAIR EXISTING HOLLS, DAMAGED AREAS AND WALLS WHICH WERE NOT REPAIRED OR UTILITY MODIFICATIONS WERE PERFORMED. PROVIDE NEW FINISHES PER SCHEDULE.
6. PROVIDE GYPSUM BOARD CONCRETE JOINTS AT ALL LOCATIONS WHERE NEW WALL SURFACE MEETS EXISTING TO REPAIR.
7. ALL DIMENSIONS ARE TO FACE OF STUD AT NEW WALL CONSTRUCTION OR FACE OF EXISTING WALL SURFACE TO REMAIN UNLESS NOTED OTHERWISE.
8. ALL DIMENSIONS NOTED TO BE VERIFIED SHALL BE VERIFIED ON SITE BY THE CONTRACTOR AND REPORTED TO THE ARCHITECT FOR CONFIRMATION PRIOR TO FRAMING OF WALLS.
9. DIMENSIONS NOTED AS CLEAR OR CLR ARE FINAL FINISHED WALL SURFACE TO REMAIN. ALL FINISHES, SURFACE, SEE FINISH SCHEDULE AND VERIFY FINAL FINISHES TO REMAIN PRIOR TO FRAMING.

LIFE SAFETY LEGEND:

- | | |
|--|--|
| | FIRE RESISTIVE RATED LINE, 1 HOUR |
| | FIRE RESISTIVE RATED LINE, 2 HOUR |
| | FIRE RESISTIVE RATED LINE, 3 HOUR |
| | FIRE RESISTIVE RATED LINE, 4 HOUR |
| | FIRE-RATED, SMOKE BARRIER LINE, 1 HOUR |
| | FIRE-RATED, SMOKE BARRIER LINE, 2 HOUR |
| | FIRE-RATED, SMOKE BARRIER LINE, 3 HOUR |
| | FIRE-RATED, SMOKE BARRIER LINE, 4 HOUR |
| | FIRE EXTINGUISHER |
| | EGRESS CORRIDOR |
| | EXIT SIGN |
| | EXTERIOR EGRESS |

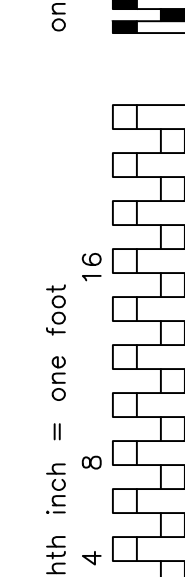
E1 LIFE SAFETY PLAN

$$1/4'' = 1'-0''$$

PLAN NORTH

100% CONSTRUCTION DOCUMENTS

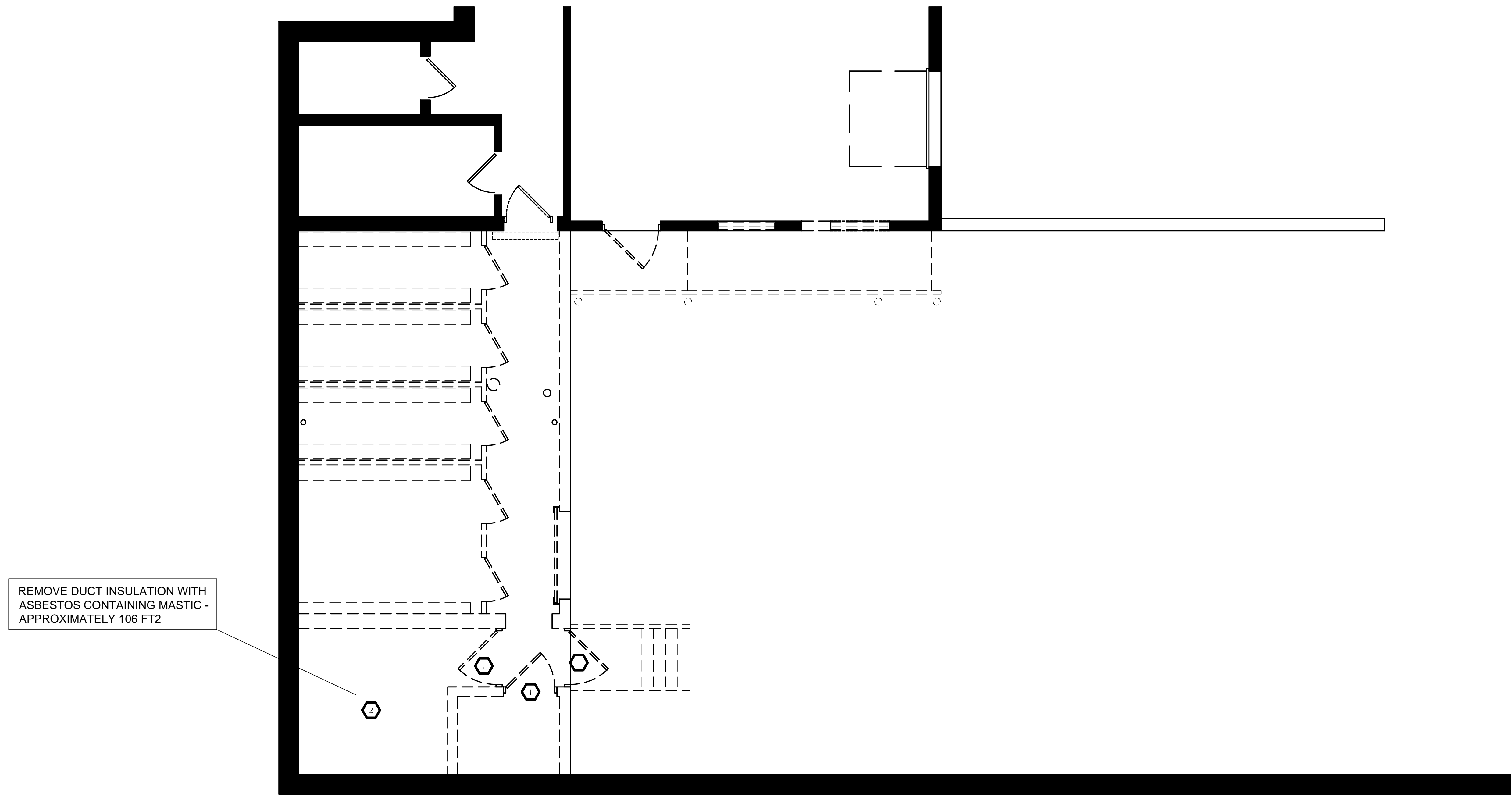
[illegible]



one eighth inch = one foot

0 4 8 16



VA FORM 08-6231






REMOVE DUCT INSULATION WITH
ASBESTOS CONTAINING MASTIC -
APPROXIMATELY 106 FT2


1 ASBESTOS ABATEMENT PLAN - GROUND FLOOR

SCALE: 1/4" = 1'

GENERAL NOTES	
1.	DASHED LINES INDICATE DEMOLITION BY GC. FOR REFERENCES ONLY.
PLAN NOTES	
	REMOVE DOOR FRAME WITH ASBESTOS CONTAINING (AC) CAULK/SEALANT. REMOVE ALL RESIDUAL CAULK FROM OPENING.
	REMOVE DUCT INSULATION WITH ASBESTOS CONTAINING MASTIC ON PAPER.

100% CONSTRUCTION DOCUMENTS

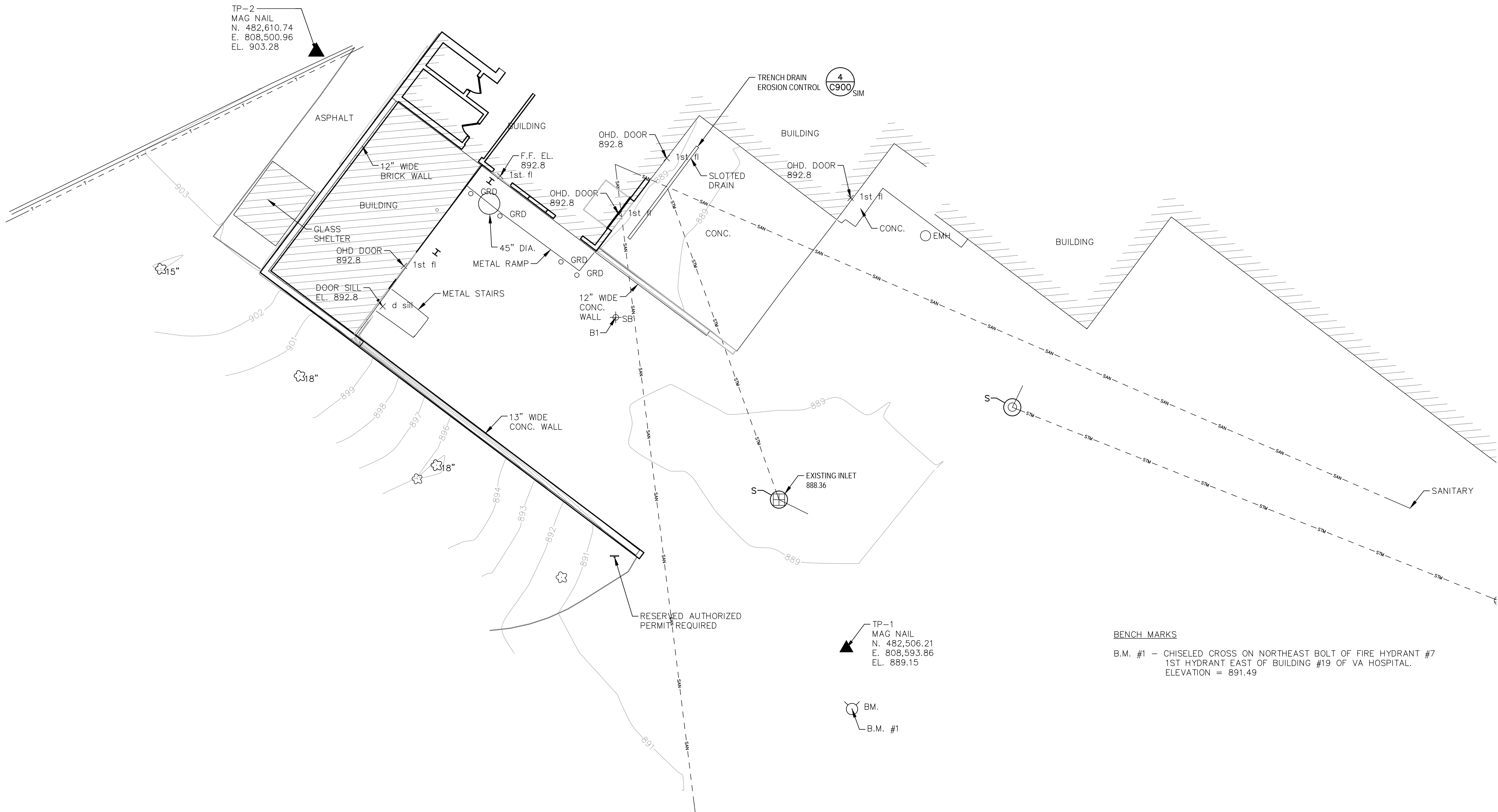
		CONSULTANTS:				ARCHITECT/ENGINEERS:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management	
		<div><p>Environmental Management Consulting, Inc.</p></div> <div><p>W7748 HWY V LAKE MILLS, WI 53551 PHONE: (920) 648-6343 FAX: (920) 648-4370</p></div>		<div><p>13100 watertown plank road suite 200 elm grove, wi 53122</p><p>p 262.641.0746 f 888.600.6207</p></div> <div><p>NE W22195 JOHNSON DR. STE. 100, 549.1190 WAUKESHA, WI 53186 fx 262.549.1620</p></div>		ASBESTOS ABATEMENT PLAN - GROUND FLOOR		Middleton VAH Pharmacy Cache		607-13-101					
						Approved: Project Director		Location Madison, WI		Building Number 19					
Revisions:		Date						Date May 13, 2013		Checked SAM		Drawn SAS		Drawing Number H100	

 Department of
Veterans Affairs

GENERAL NOTES

1. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one eighth inch = one foot
one quarter inch = one foot
one eighth inch = one foot



SURVEY LEGEND

- EXISTING DECIDUOUS TREE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING BURIED COMMUNICATIONS
- EXISTING BURIED ELECTRIC
- EXISTING BURIED STEAM
- EXISTING CWS/CWR

GENERAL NOTES

1. UNDERGROUND UTILITIES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES.

EROSION CONTROL LEGEND

- SILT FENCE, SEE 2/C-900
- INLET PROTECTION, SEE 1/C-900

REMOVAL NOTES

- EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND DISCREPANCIES REPORTED TO THE ENGINEER PRIOR TO STARTING WORK.
- CONTRACTOR IS RESPONSIBLE FOR SECURING THE JOB SITE TO PROTECT THE PUBLIC. COORDINATE WITH VA.
- IF REQUIRED, VA WILL REMOVE ALL PLANTINGS IN AREAS OF EXCAVATION UNLESS OTHERWISE NOTED. COORDINATE AT LEAST 2 WEEKS PRIOR TO CONSTRUCTION ACTIVITIES IN THESE AREAS TO COORDINATE WHAT REMOVALS ARE NEEDED TO PERFORM THE WORK.

EROSION CONTROL NOTES

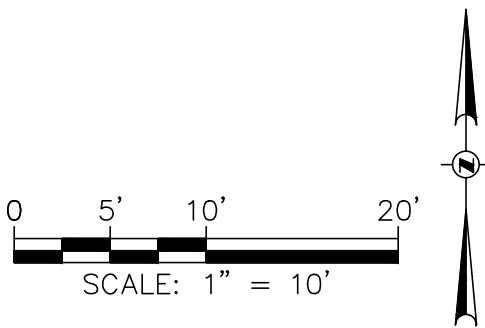
- CONSTRUCTION SITE EROSION CONTROL AND SEDIMENTATION CONTROL SHALL COMPLY WITH THE REQUIREMENTS OF DADE COUNTY, CITY OF MADISON, AND THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) "CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS".
- ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON SITE.
- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION AFTER A RAINFALL OF 0.5 INCHES OR MORE, BUT NO LESS THAN ONCE EVERY WEEK. MAINTENANCE OF ALL EROSION CONTROL STRUCTURES SHALL BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND REMOVAL OF ALL SEDIMENT WHEN LEAVING PROPERTY. EROSION CONTROL MEASURES MUST BE IN WORKING CONDITION AT END OF EACH WORK DAY.
- SILT FENCE SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS OR AS OTHERWISE COORDINATED BETWEEN VA AND ENGINEER. SEDIMENT DEPOSITS WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN DEPOSITS REACH A DEPTH OF 6 INCHES. THE SILT FENCE WILL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
- FILTER FABRIC SHALL BE INSTALLED BENEATH INLET COVERS TO TRAP SEDIMENT AS PER INLET PROTECTION DETAIL IN THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS OR AS OTHERWISE COORDINATED BETWEEN VA AND ENGINEER.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED ON A CONTINUING BASIS UNTIL SITE IS FULLY STABILIZED.
- PERIODIC STREET SWEEPING WILL BE COMPLETED BY THE CONTRACTOR TO MAINTAIN THE PUBLIC STREET FREE OF DUST AND DIRT.
- SILT FENCE SHALL BE INSTALLED IN HORSESHOE FASHION AROUND ALL TOPSOIL AND FILL STOCKPILES.
- REMOVE EROSION CONTROL MEASURES ONLY WHEN SITE IS FULLY STABILIZED.
- SITE DEWATERING. WATER PUMPED FROM THE SITE SHALL BE TREATED BY SEDIMENT BASINS OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICES SPECIFIED BY THE WDNR TECHNICAL STANDARDS. WATER SHALL NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, ADJACENT SITES, OR RECEIVING CHANNELS.
- WASTE AND MATERIAL DISPOSAL. ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED IN ACCORDANCE WITH LANDFILL TIPPING FEE AND RECYCLING REQUIREMENTS AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
- TRACKING. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY STREET CLEANING. TO THE SATISFACTION OF THE VA BEFORE THE END OF EACH WORKDAY.
- SEDIMENT CLEANUP. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THE NEXT WORK DAY. ALL OTHER OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE CLEANED UP BY THE END OF THE WORK DAY.

BENCH MARKS

B.M. #1 - CHISELED CROSS ON NORTHEAST BOLT OF FIRE HYDRANT #7
1ST HYDRANT EAST OF BUILDING #19 OF VA HOSPITAL.
ELEVATION = 891.49

CONTROL POINTS

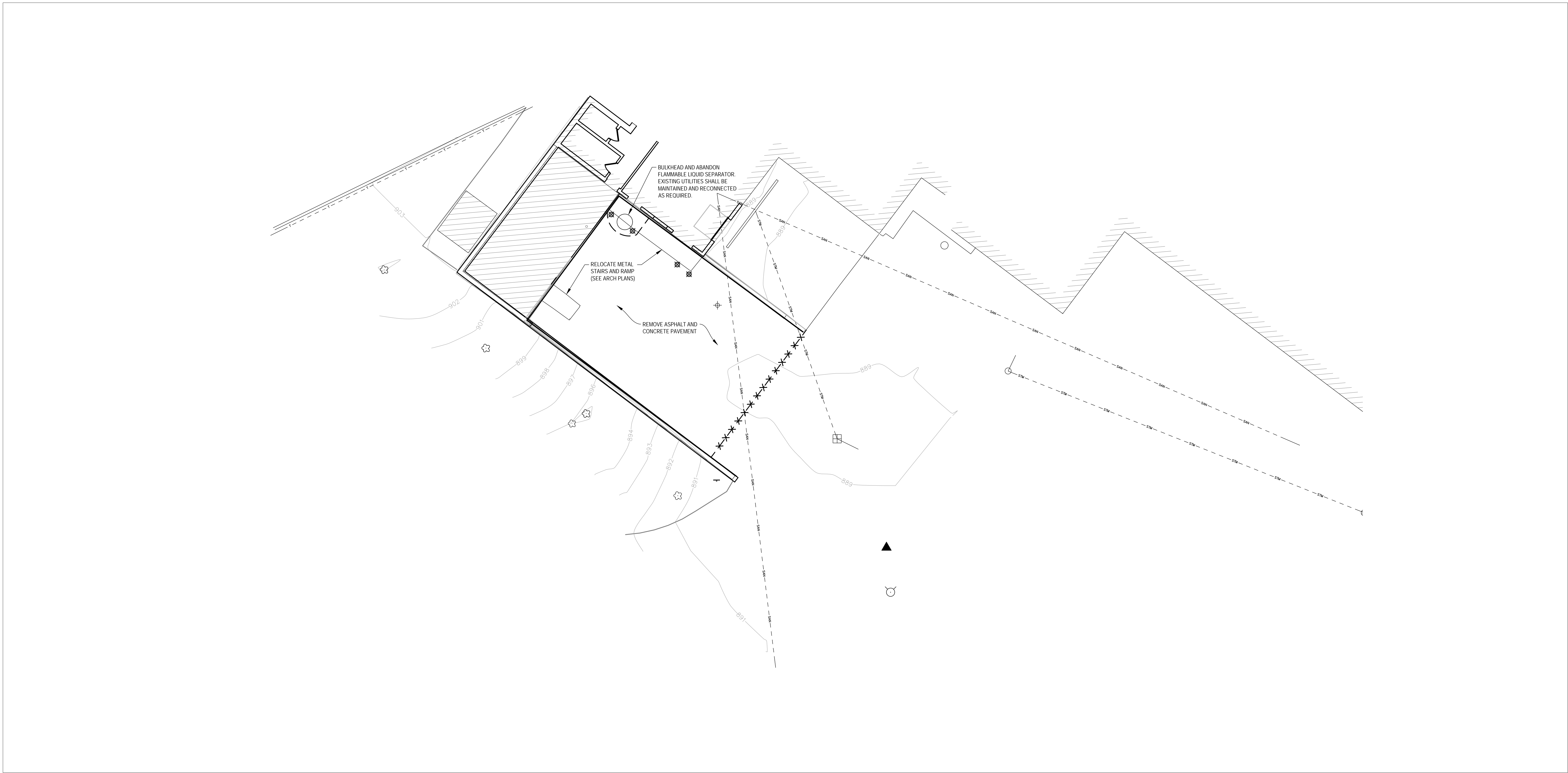
#	NORTHING	EASTING	ELEV.	DESCRIPTION
TP-1	482,506.21	808,593.86	889.15	MAG NAIL



100% CONSTRUCTION DOCUMENTS

		CONSULTANTS:				ARCHITECT/ENGINEERS:		Drawing Title EXISTING SITE AND EROSION CONTROL PLAN		Project Title Middleton VAH Construct Pharmacy Cache		Project Number 607-13-101		Office of Construction and Facilities Management	
		<div><div>GRāEF</div><div>5126 W. Terrace Drive Suite 111 Madison, WI 53718-8343 608 / 242 1550 608 / 242 0787 fax www.graef-usa.com</div></div>				<div><div>13100 watertown plank road suite 200 elm grove, wi 53122 p 262.641.0746 f 262.641.0584</div><div><div>magel</div><div>architects</div></div><div><div><div></div><div></div><div></div><div></div></div><div>IBC ENGINEERING SERVICES INC.</div><div>N8 W22195 JOHNSON DR., STE 180 262.549.1190 WAUKESHA, WI 53186 fax 262.549.1620</div></div></div>		Approved: Project Director		Location Madison, WI		Building Number 19			
Revisions:		Date								Date May 13, 2013		Checked EGP		Drawn KRN	
												Dwg. of		Dep'tment of Veterans Affairs	

one eighth inch = one foot
0 4 8 16
one quarter inch = one foot
0 4 8
three eighths inch = one foot
0 4
one half inch = one foot
0 4
three quarters inch = one foot
0 2
one inch = one foot
0 6
one and one half inches = one foot
0 6
three inches = one foot
0 6



GENERAL NOTES

1. UNDERGROUND UTILITIES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES.
2. CONTRACTOR TO COORDINATE WITH UTILITY OWNER ON RELOCATION OF EXISTING UTILITY.



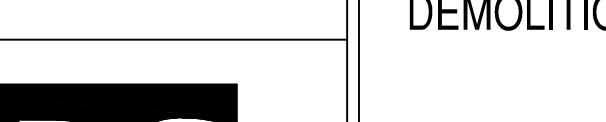
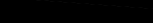
LEGEND

- REMOVE EXISTING SIDEWALK
- SAWCUT
- REMOVE BOLLARD

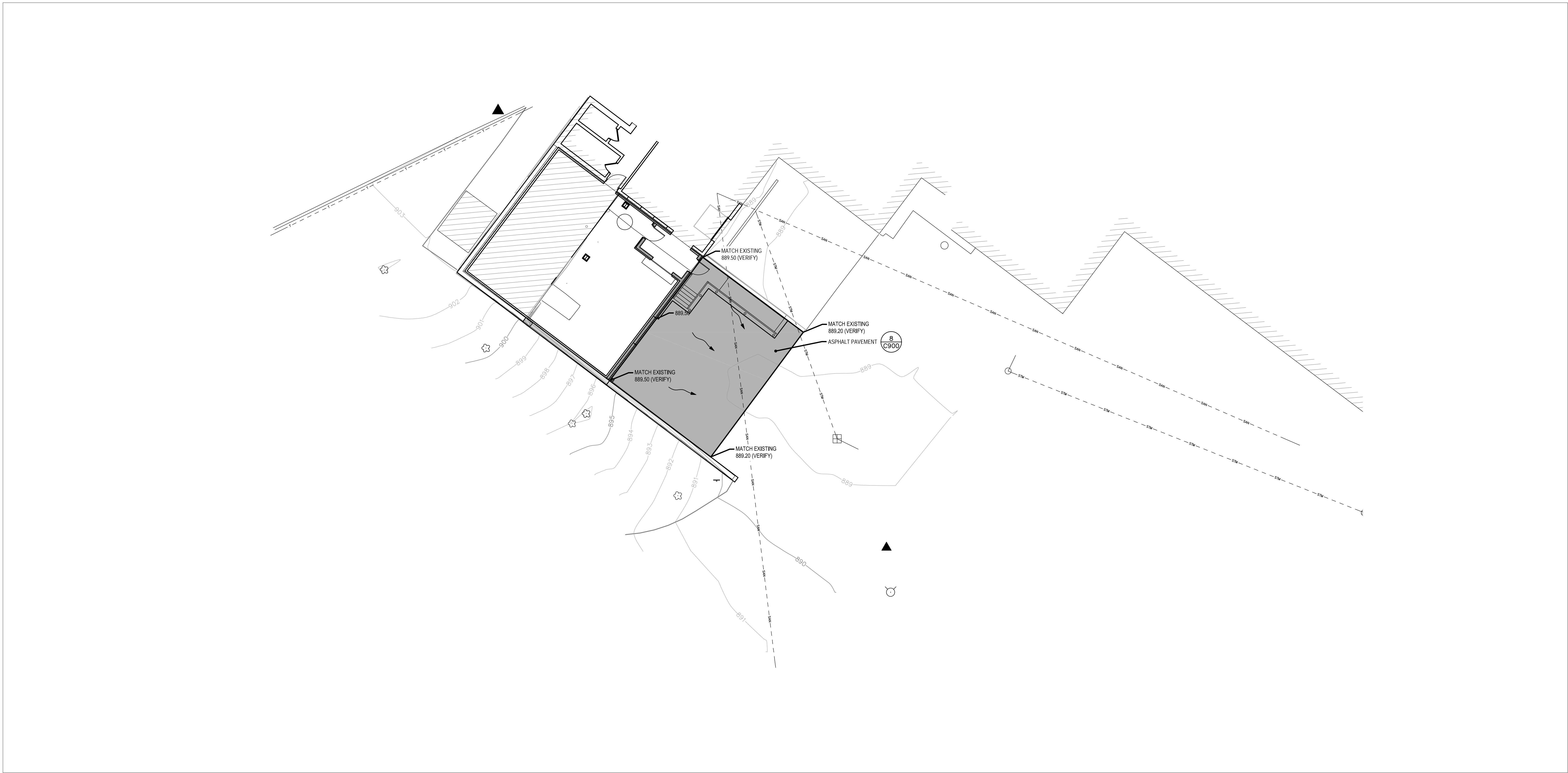
REMOVAL NOTES

1. EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND DISCREPANCIES REPORTED TO THE ENGINEER PRIOR TO STARTING WORK.
2. CONTRACTOR SHALL VERIFY ALL EXISTING LINES NOTED FOR ABANDONMENT OR REMOVAL. EXISTING UTILITIES MUST REMAIN IN SERVICE UNTIL NEW UTILITIES OR PLUMBING IS INSTALLED.
3. CONTRACTOR IS RESPONSIBLE FOR SECURING THE JOB SITE TO PROTECT THE PUBLIC. COORDINATE WITH OWNER OPERATIONS.
4. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH LOCAL ORDINANCES FOR DUST CONTROL. COORDINATE WITH VA.
5. CONTRACTOR RESPONSIBLE TO SALVAGE EXISTING ONSITE BASE COURSE TO PROVIDE ENOUGH FOR USE IN GRADING AND RESHAPING UNDER NEW ASPHALT AREA.

100% CONSTRUCTION DOCUMENTS

		CONSULTANTS:	ARCHITECT/ENGINEERS:	Drawing Title DEMOLITION PLAN		Project Title Middleton VAH Construct Pharmacy Cache		Project Number 607-13-101		Office of Construction and Facilities Management		
Revisions:				Approved: Project Director		Location Madison, WI		Building Number 19				
		 <div>5126 W. Terrace Drive Suite 111 Madison, WI 53718-8343 608 / 242 1550 608 / 242 0787 fax www.graef-usa.com</div>	<div>13100 watertown plank road suite 200 elm grove, wi 53122 p 262.641.0746 f 262.641.0584</div>  <div>N8 W22195 JOHNSON DR, STE 180 262.549.1190 WAUKESHA, WI 53186 fx 262.549.1620</div> 			Date May 13, 2013		Checked EGP	Drawn KRN	Drawing Number C200		
										Dwg. of		 Dep. rtment of Vet. rns Affairs

three inches = one foot
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one inch = one foot
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one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

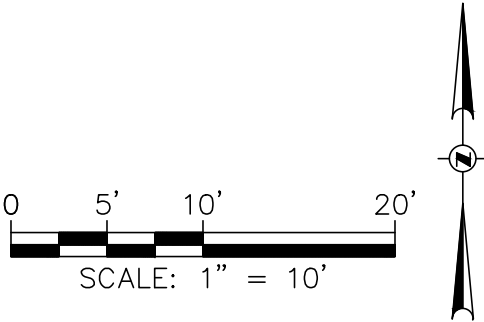


GENERAL NOTES:




- ALL DISTURBED LAWN AREAS SHALL BE RESTORED USING MADISON PARKS BLEND FULL SUN.
- PROTECT EXISTING UTILITIES AND SURFACE IMPROVEMENTS TO REMAIN. ANY DAMAGE SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

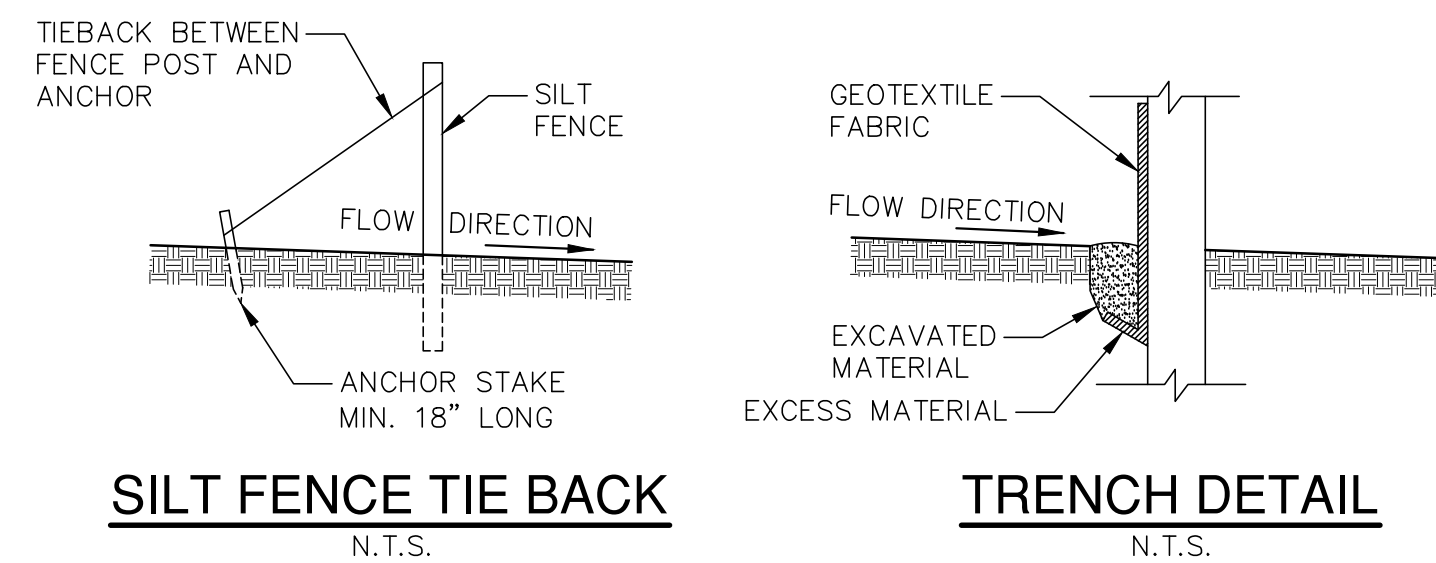
LEGEND

- CONTROL POINT
- PROPOSED CONTOUR
- DRAINAGE ARROW
- ASPHALT



100% CONSTRUCTION DOCUMENTS

	CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title	Project Title	Project Number	Office of Construction and Facilities Management
	 <div>5126 W. Terrace Drive Suite 111 Madison, WI 53718-8343 608 / 242 1550 608 / 242 0787 fax www.graef-usa.com</div>		<div>13100 watertown plank road suite 200 elm grove, wi 53122 p 262.641.0746 f 262.641.0584</div> <div></div>		SITE LAYOUT AND GRADING PLAN	Middleton VAH Construct Pharmacy Cache	607-13-101	
					Approved: Project Director	Location	Building Number	
						Madison, WI	19	
Revisions:	Date				Date	Checked	Drawn	Drawing Number
					May 13, 2013	EGP	KRN	C300
						Dwg. of		



GENERAL NOTES:

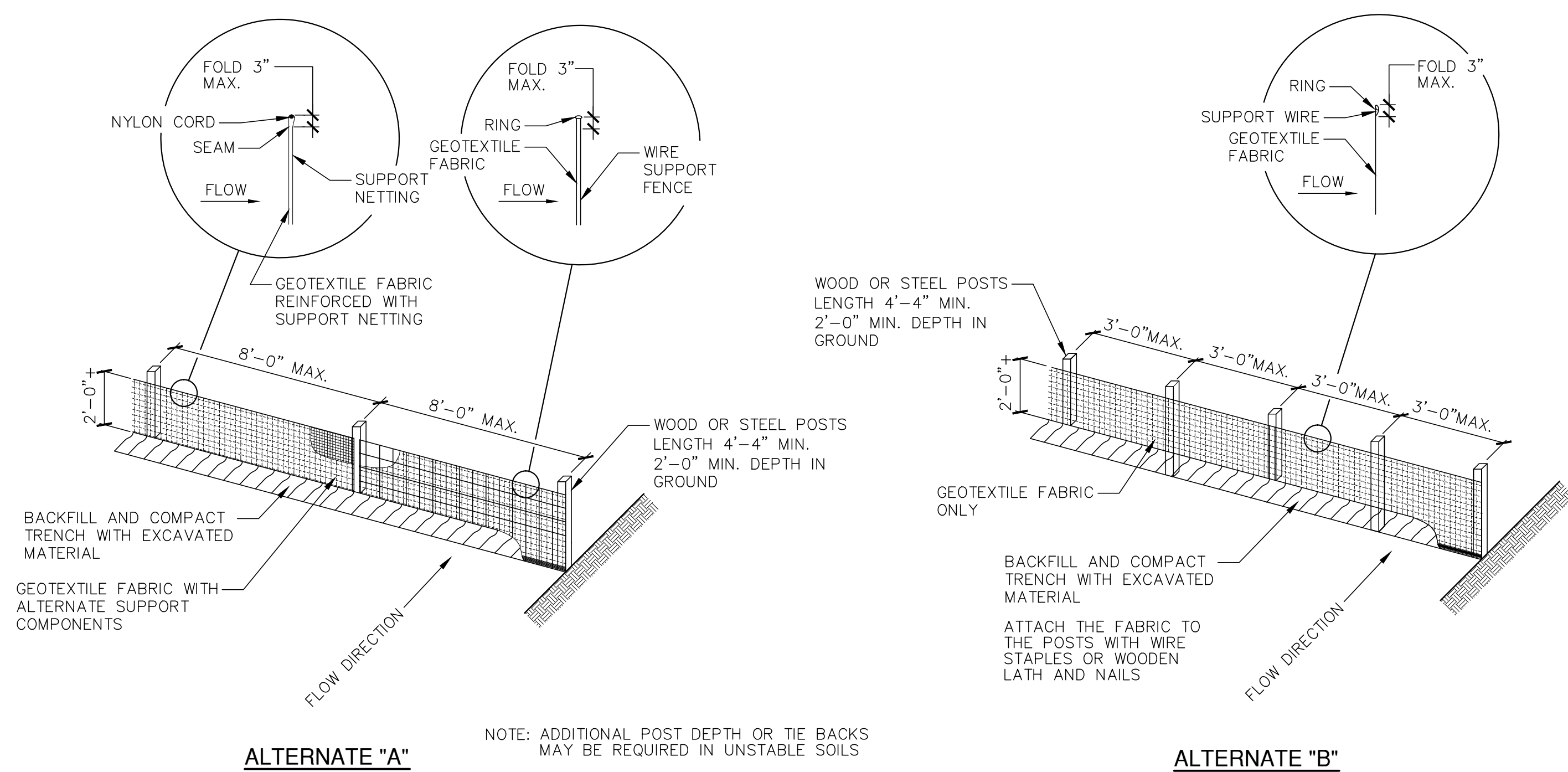
DETAIL OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISCONSIN DNR CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK.

WHEN POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR HORSE SHOE SHAPE, WITH THE ENDS POINTING UP SLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.

EXCAVATE A TRENCH A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

1 SILT TIE BACK AND TRENCH

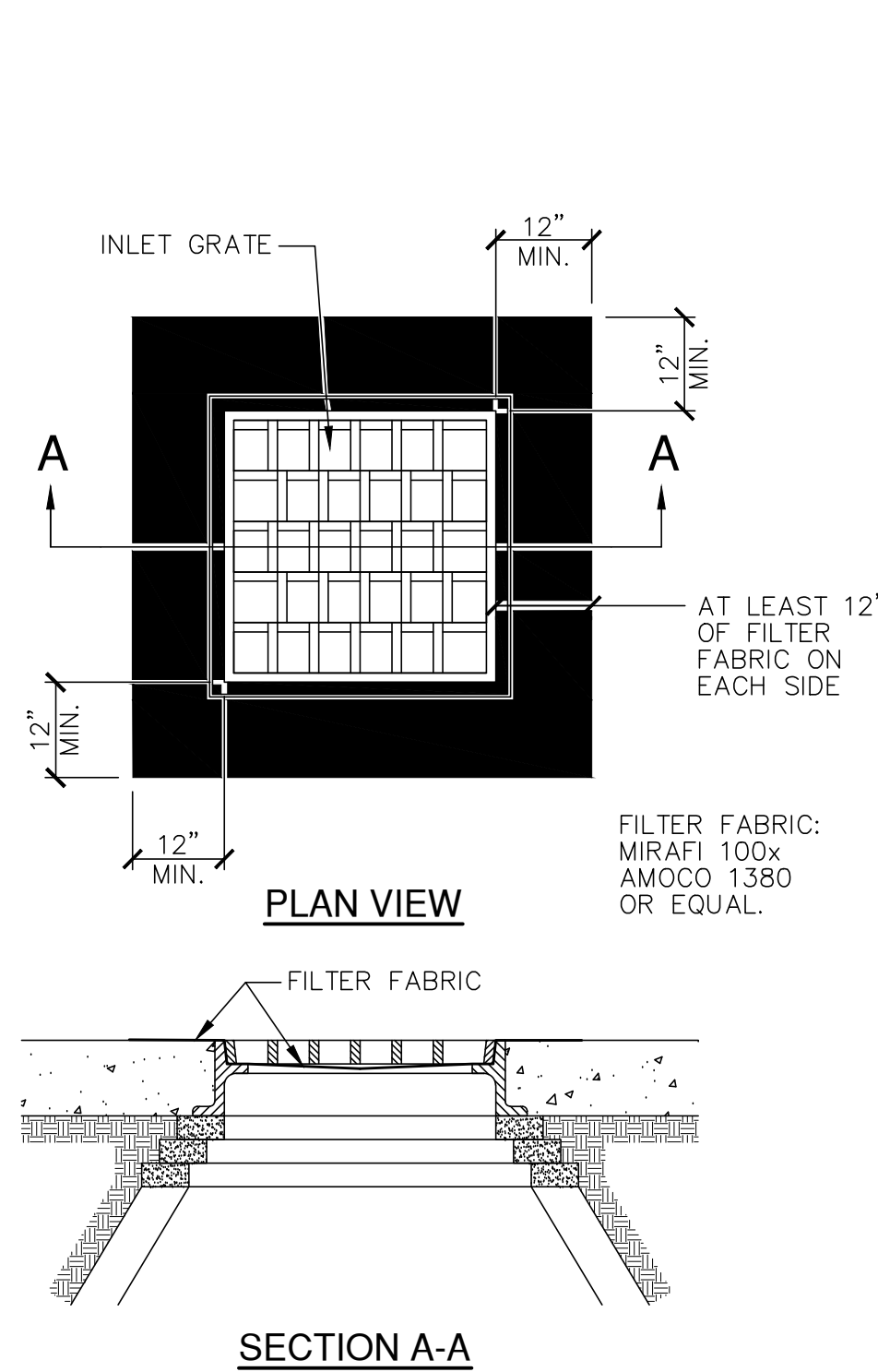
N.T.S.



NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

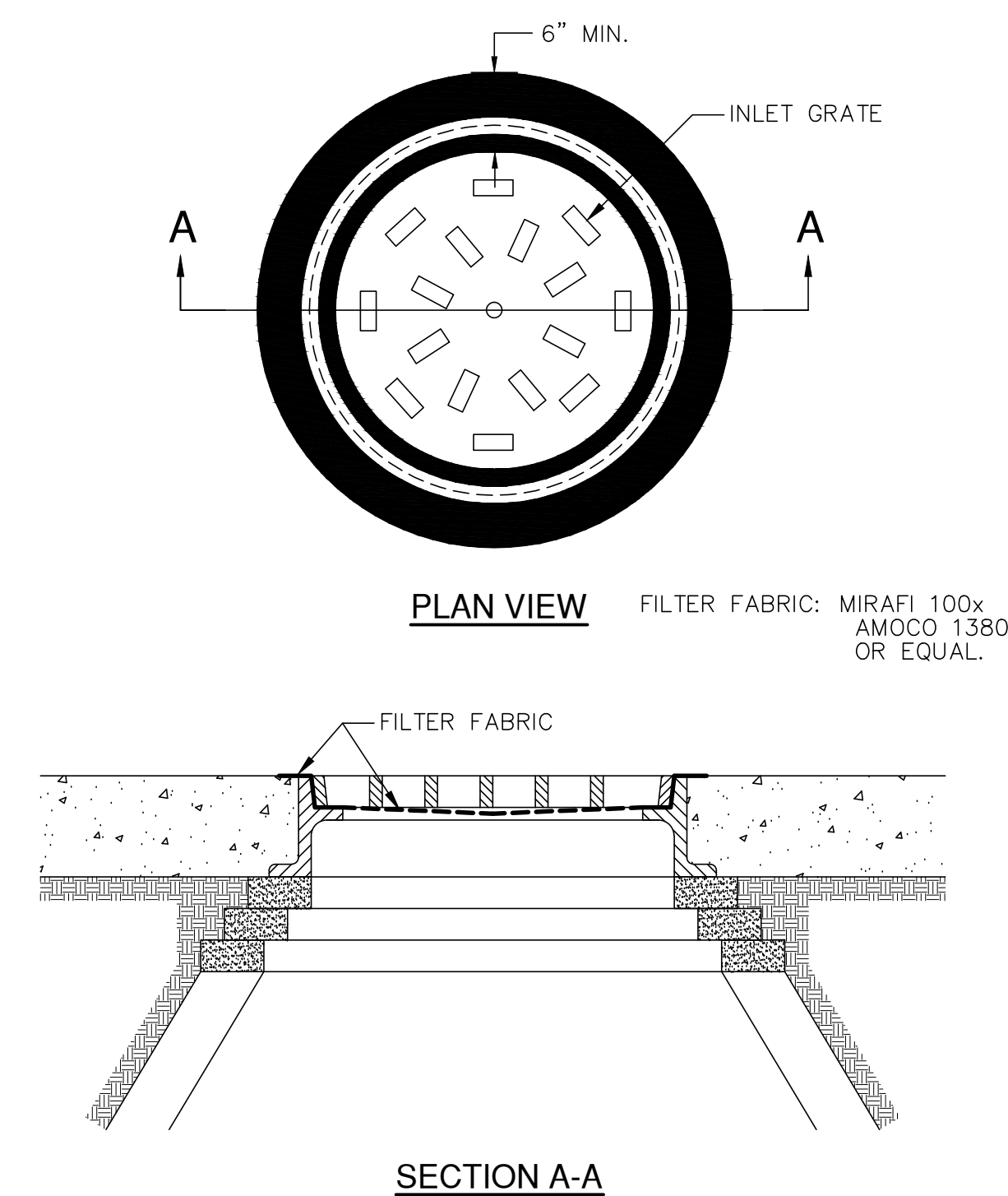
2 SILT FENCE

N.T.S.



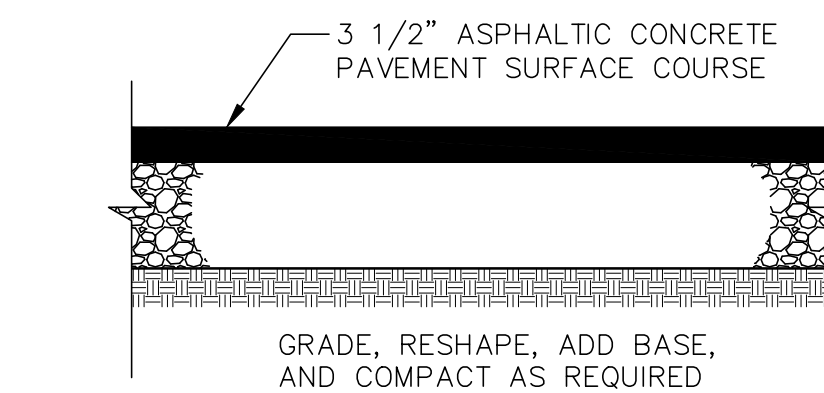
4 INLET GRATE SCREEN - SQUARE/RECTANGULAR

N.T.S.



5 INLET GRATE SCREEN - ROUND

N.T.S.



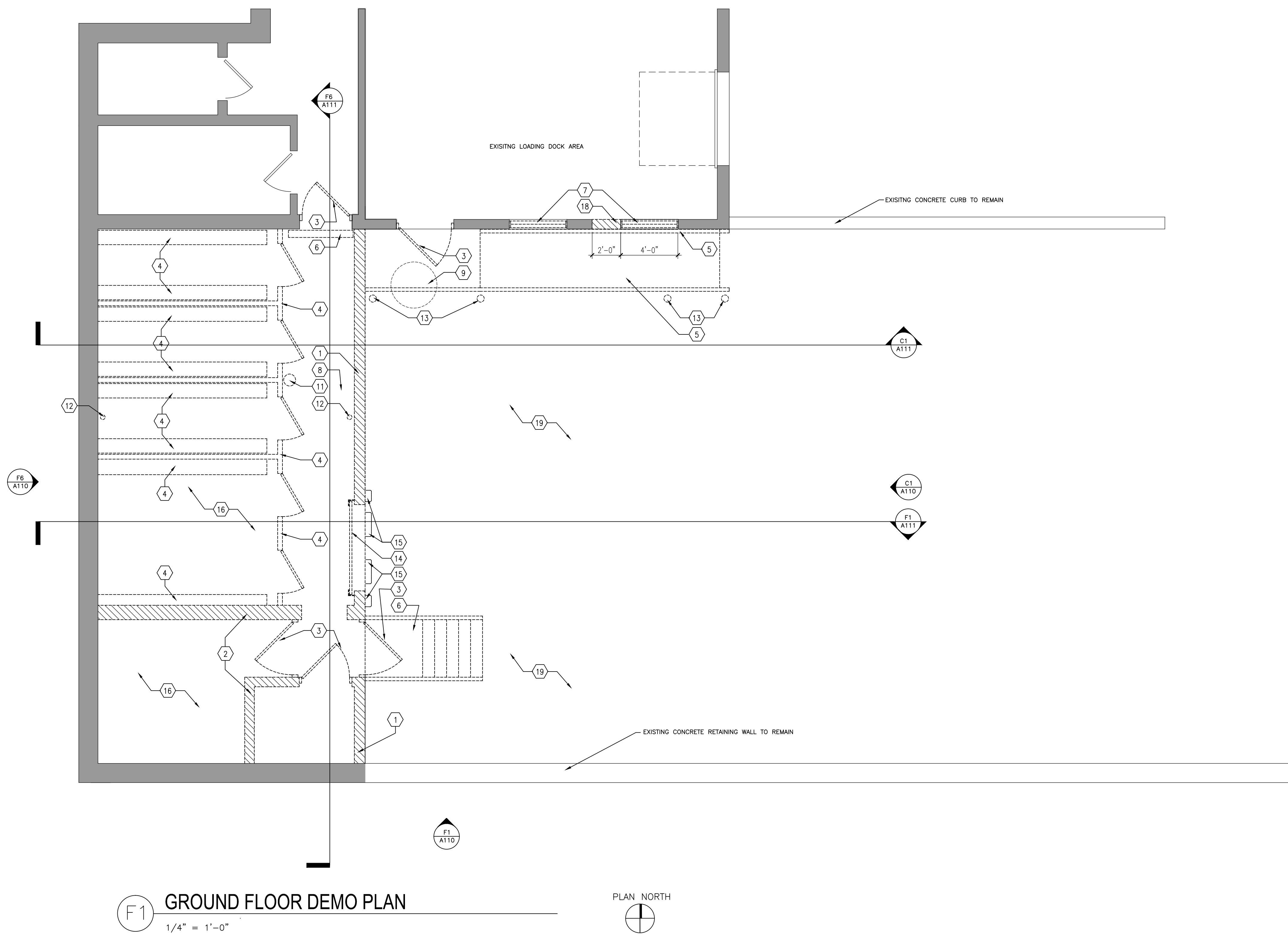
100% CONSTRUCTION DOCUMENTS

Revisions:	Date:	CONSULTANTS:	ARCHITECT/ENGINEERS:	Drawing Title:	Project Title:	Project Number:	Office of Construction and Facilities Management
		GRaEF	magel architects	SITE CONSTRUCTION DETAILS	Middleton VAH Construct Pharmacy Cache	607-13-101	Department of Veterans Affairs
		5128 W. Terrace Drive Suite 111 Madison, WI 53718-8343 608 / 242 1550 608 / 242 0787 fax www.graef-usa.com	13100 watertown plank road suite 200 elm grove, wi 53122 p 262.641.0746 f 262.641.0584	Approved: Project Director	Location: Madison, WI	Building Number: 19	
					Date: May 13, 2013	Checked: EGP	

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

- DEMOLITION PLAN NOTES:
1. REMOVE EXISTING EXTERIOR WALL.
 2. REMOVE EXISTING CMU PARTITION/ MASONRY WALL.
 3. REMOVE EXISTING DOOR AND FRAME.
 4. REMOVE EXISTING STORAGE SHELVING & PARTITIONS.
 5. REMOVE EXISTING RAMP AND HANDRAIL/GUARDRAIL. (MAINTAIN FOR REUSE)
 6. REMOVE EXISTING STAIRS AND HANDRAIL/GUARDRAIL. (MAINTAIN FOR REUSE)
 7. REMOVE EXISTING WINDOW. (TURN OVER TO VA)
 8. REMOVE FLOOR DRAIN.
 9. ABANDON EXISTING INTERCEPTOR (SEE CIVIL)
 10. REMOVE EXISTING ROOF STRUCTURE AND ROOFING
 11. REMOVE EYE WASH. (TURN OVER TO VA)
 12. REMOVE EXISTING STEEL STRUCTURE
 13. REMOVE EXISTING BOLLARD, TYP.
 14. REMOVE EXISTING OVERHEAD DOOR, TRACK, OPERATOR, AND RELATED CONSTRUCTION.
 15. REMOVE EXISTING DOCK BUMPER
 16. REMOVE EXISTING CONCRETE FLOOR SLAB
 17. REMOVE EXISTING GUARDRAIL, COMPLETE.
 18. CREATE OPENING IN EXISTING WALL.
 19. REMOVE EXISTING ASPHALT. (SEE CIVIL)

- GENERAL NOTES:
1. EXISTING BUILDING PLANS HAVE BEEN SHOWN ACCORDING TO ORIGINAL BUILDING PLANS AND FIELD NOTES AND MEASUREMENTS. EXISTING CONDITIONS AND DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTORS AND DISCREPANCIES REPORTED TO THE ARCHITECT PRIOR TO FRAMING.
 2. EXISTING WALLS, PARTITIONS, FLOOR LINES AND DOORS AND FRAMES THAT REMAIN ARE SHOWN IN CONTINUOUS LINE WEIGHT. THESE AND EXISTING FLOOR AND WALL FINISHES THAT ARE SCHEDULED TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. ANY SUCH EXISTING CONDITIONS WHICH ARE DAMAGED OR BECOME UNSTABLE DUE TO OTHER DEMOLITION SHALL BE REPLACED AT NO COST TO OWNER WITH NEW CONSTRUCTION TO MATCH.
 3. GC SHALL PROVIDE AND MAINTAIN APPROPRIATE BARRICADES AND SAFETY MEASURES IN AREAS OF CONSTRUCTION AT ALL TIMES.
 4. ALL CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR UNLESS OTHERWISE STIPULATED BY OR ARRANGED WITH THE GC.
 5. ALL EXISTING WALLS, PATCH FLUSH TO REPAIR EXISTING HOLES, DAMAGED AREAS AND WHERE WALLS WERE PREVIOUSLY REMOVED, OR UTILITY MODIFICATIONS WERE PERFORMED. PROVIDE NEW FINISHES PER SCHEDULE.
 6. PROVIDE GYPSUM BOARD CONTROL JOINTS AT ALL LOCATIONS WHERE NEW WALL SURFACE MEETS EXISTING TO REMAIN.
 7. ALL DIMENSIONS ARE TO FACE OF STUD AT NEW WALL CONSTRUCTION OR FACE OF EXISTING WALL SURFACE TO REMAIN UNLESS NOTED OTHERWISE.
 8. ALL DIMENSIONS NOTED TO BE VERIFIED SHALL BE VERIFIED ON SITE BY THE CONTRACTOR AND REPORTED TO THE ARCHITECT FOR CONFIRMATION PRIOR TO FRAMING OF WALLS.
 9. DIMENSIONS NOTED AS CLEAR OR CL'R ARE FINAL FINISHED WALL SURFACE TO FINAL FINISHED WALL SURFACE. SEE FINISH SCHEDULE AND VERIFY FINAL FINISH OF WALL PRIOR TO FRAMING.



F1 GROUND FLOOR DEMO PLAN
1/4" = 1'-0"

Revisions		CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management 	
				13100 watertown plank road suite 200 elm grove, wi 53122		GROUND FLOOR PLAN DEMOLITION AND NOTES		Middleton VAH Construct Pharmacy Cache		607-13-101			
				p 262.641.0746 f 888.600.6207		Approved Project Director		Location Madison, WI		Building Number 19			
Date				 N8 W22195 JOHNSON DR., STE. 100, WALKER, WI 53188 p 262.549.1190 f 262.549.1620				Date May 13, 2013		Checked SAM			Draw AJS
										Drawing Number A100			

6" foot

foot

one ar

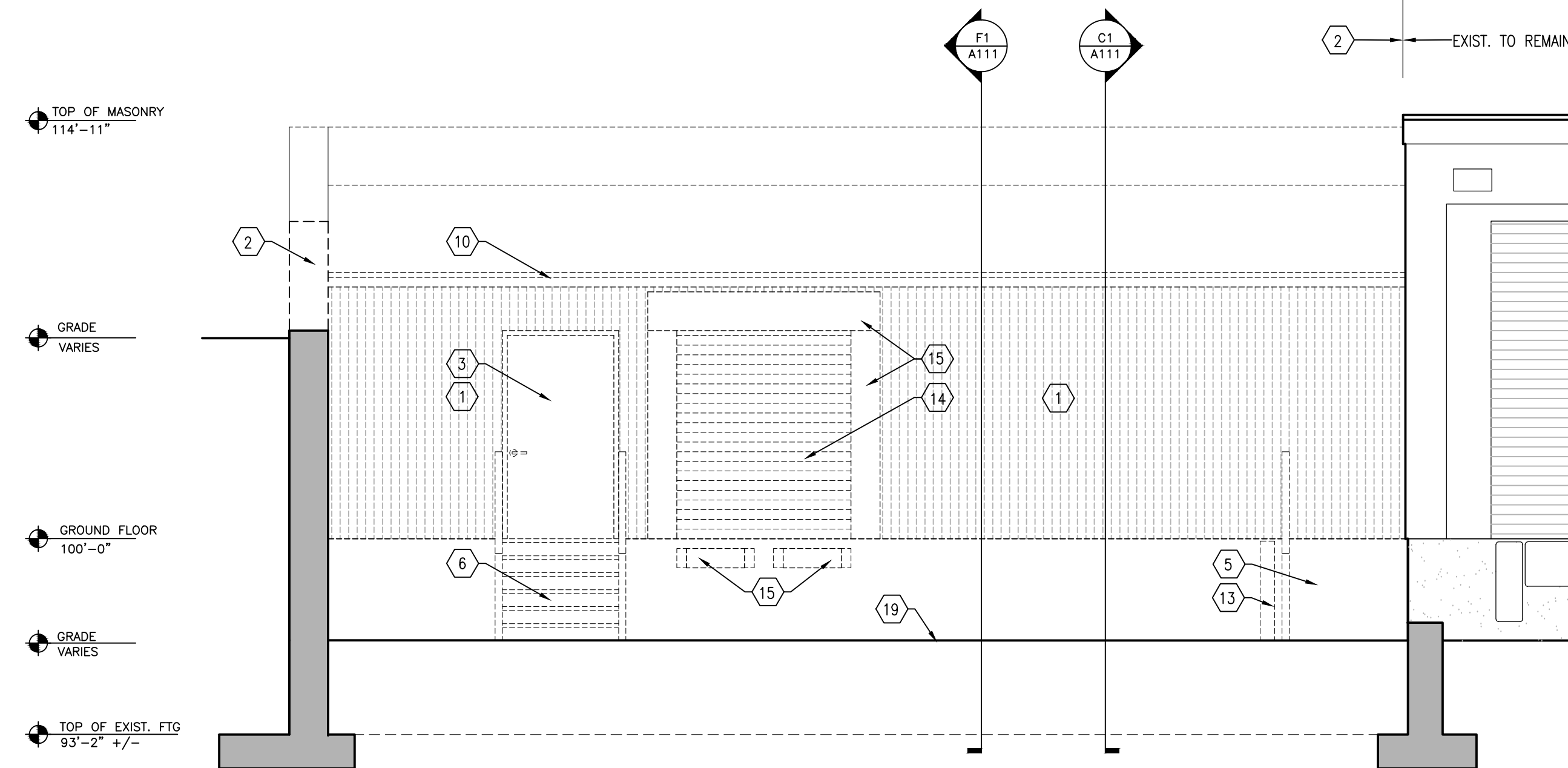
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one foot

2 foot

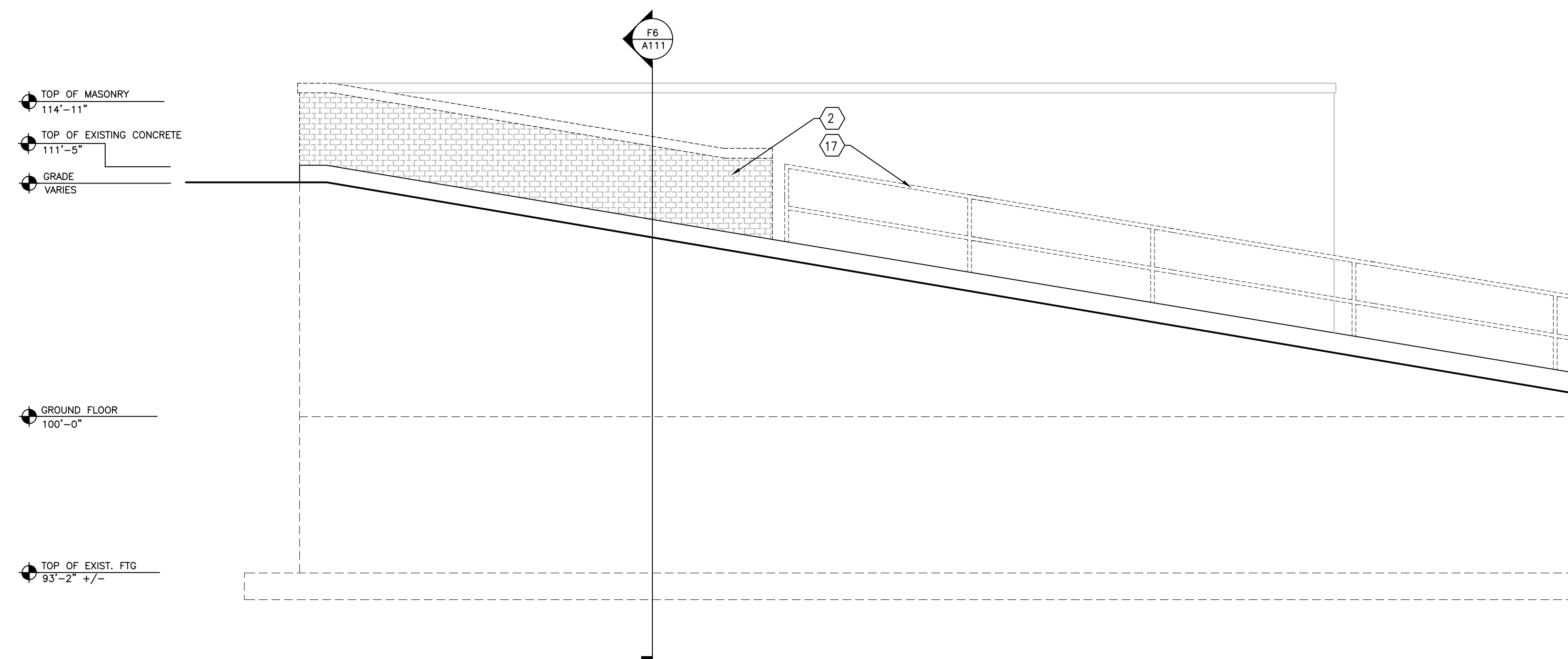
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half inch

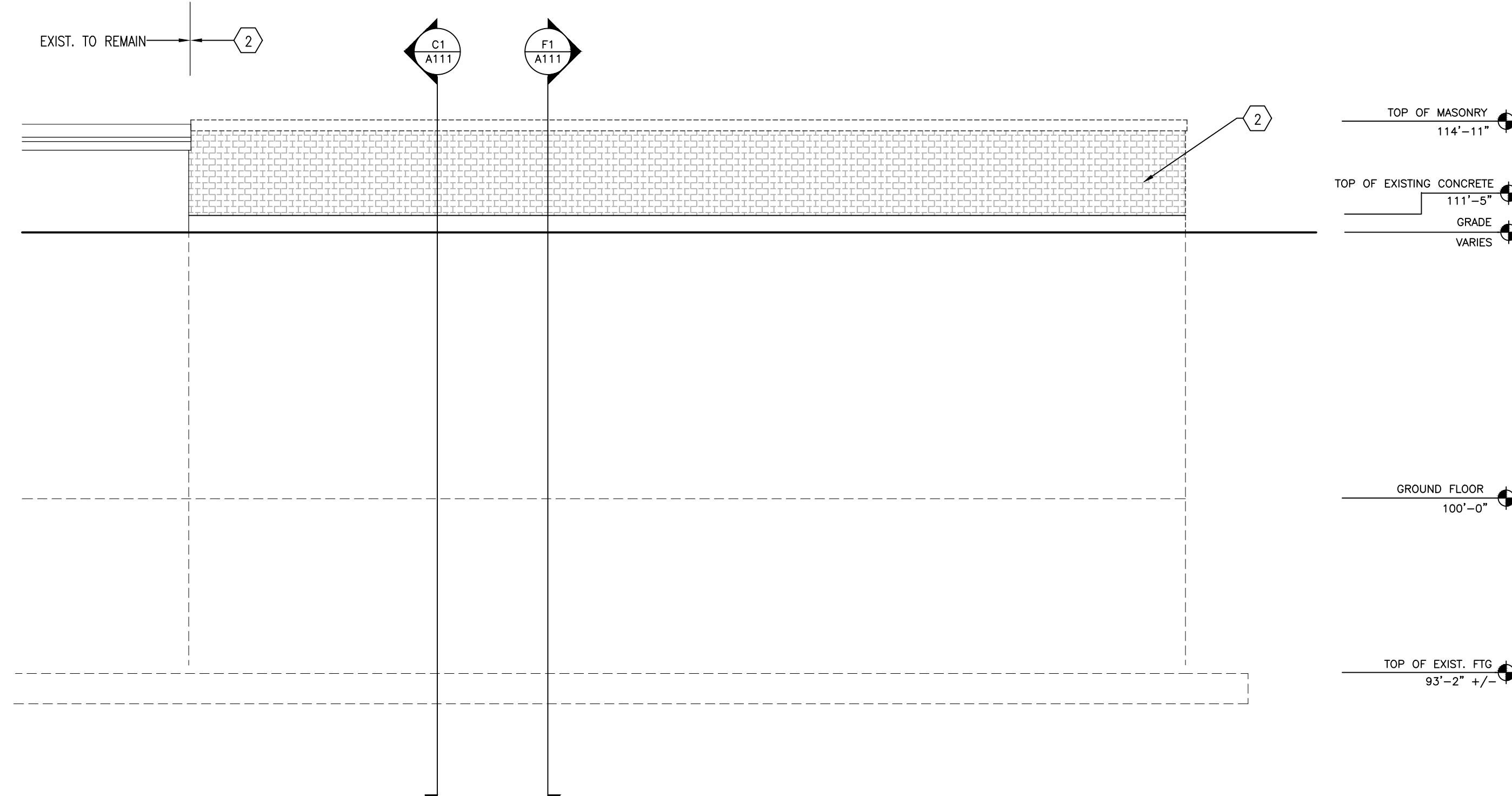
one for 4

 0
$$h = \infty$$


C1 EAST ELEVATION
1/4" = 1'-0"



F1 SOUTH ELEVATION
1/4" = 1'-0"



F6 WEST ELEVATION
1/4" = 1'-0"

DEMOLITION PLAN NOTES:

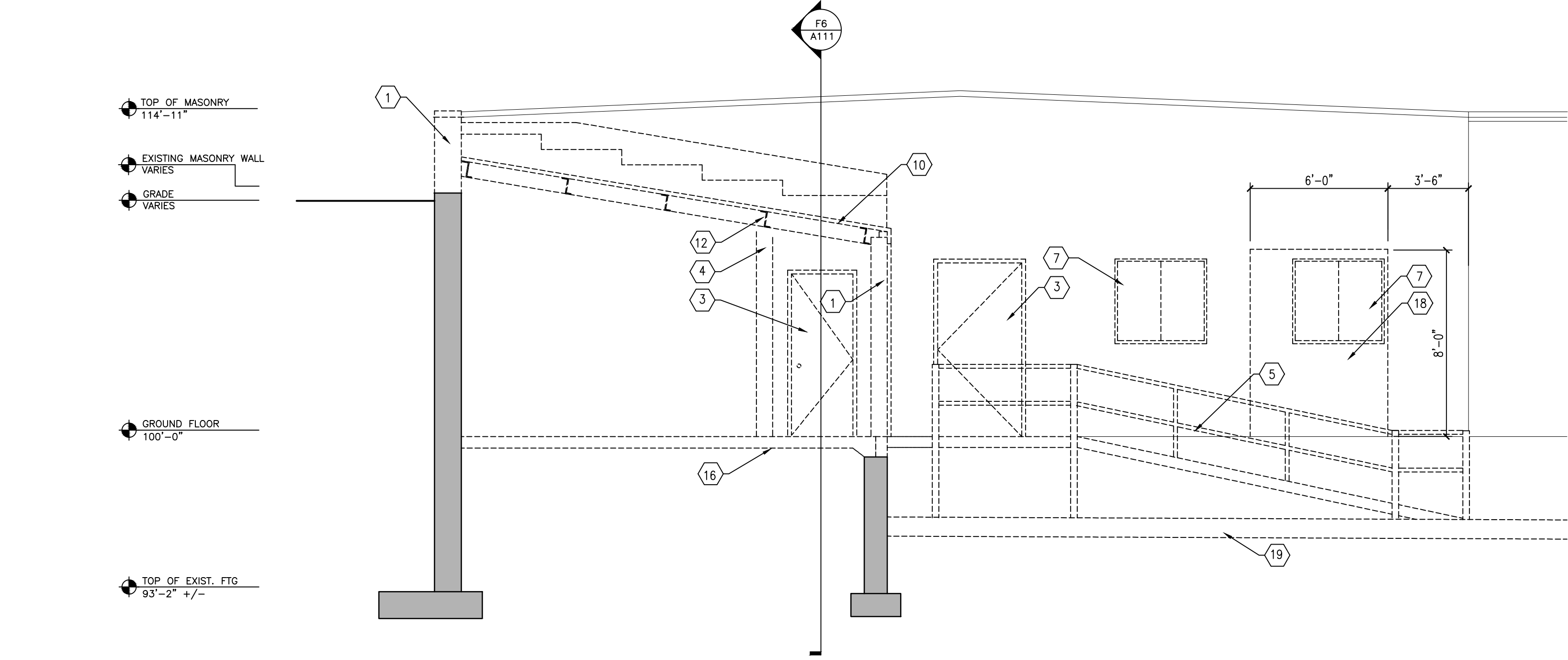
- 1 REMOVE EXISTING EXTERIOR WALL
- 2 REMOVE EXISTING CMU PARTITION/ MASONRY WALL
- 3 REMOVE EXISTING DOOR AND FRAME
- 4 REMOVE EXISTING STORAGE SHELVING & PARTITIONS.
- 5 REMOVE EXISTING RAMP AND HANDRAIL/GUARDRAIL. (MAINTAIN FOR REUSE)
- 6 REMOVE EXISTING STAIRS AND HANDRAIL/GUARDRAIL. (MAINTAIN FOR REUSE)
- 7 REMOVE EXISTING WINDOW. (TURN OVER TO VA)
- 8 REMOVE FLOOR DRAIN.
- 9 ABANDON EXISTING INTERCEPTOR (SEE CIVIL)
- 10 REMOVE EXISTING ROOF STRUCTURE AND ROOFING
- 11 REMOVE EYE WASH. (TURN OVER TO VA)
- 12 REMOVE EXISTING STEEL STRUCTURE
- 13 REMOVE EXISTING BOLLARD, TYP.
- 14 REMOVE EXISTING OVERHEAD DOOR, TRACK, OPERATOR, AND RELATED CONSTRUCTION.
- 15 REMOVE EXISTING DOCK BUMPER
- 16 REMOVE EXISTING CONCRETE FLOOR SLAB
- 17 REMOVE EXISTING GUARDRAIL, COMPLETE.
- 18 CREATE OPENING IN EXISTING WALL
- 19 REMOVE EXISTING ASPHALT. (SEE CIVIL)

GENERAL NOTES:

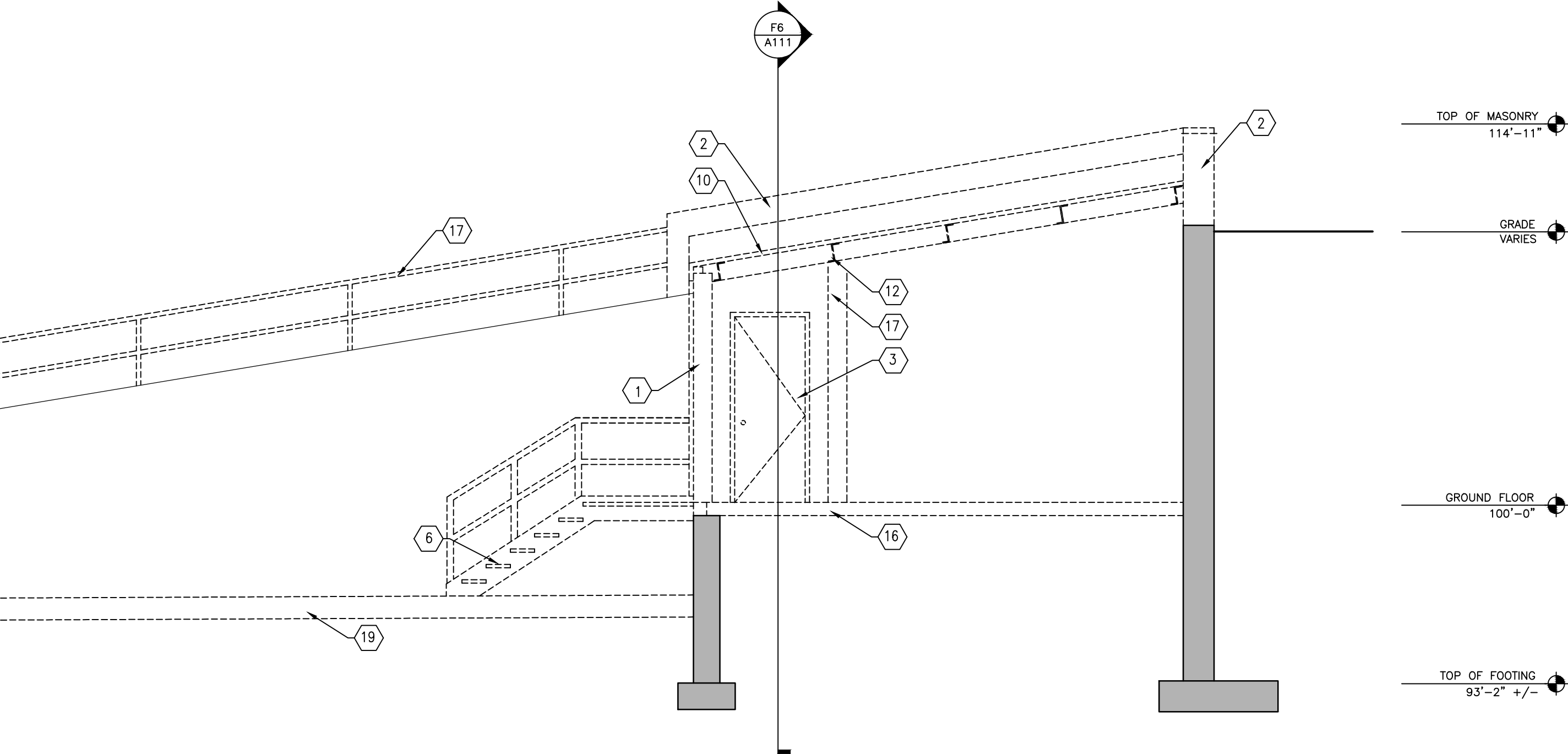
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3. GC SHALL PROVIDE AND MAINTAIN APPROPRIATE BARRICADES AND SAFETY MEASURES IN AREAS OF CONSTRUCTION AT ALL TIMES.
4. ALL CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR UNLESS OTHERWISE STIPULATED BY OR ARRANGED WITH THE GC.
5. ALL EXISTING WALLS, PATCH PLUGS TO REPAIR EXISTING HOLES, DAMAGED AREAS AND WHERE WALLS WERE PREVIOUSLY REMOVED, OR UTILITY MODIFICATIONS WERE PERFORMED, FRESH NEW FINISHES PER SCHEDULE.
6. PROVIDE OPTISUM BOARD CONTROL JOINTS AT ALL LOCATIONS WHERE NEW WALL SURFACE MEETS EXISTING TO REMAIN.
7. ALL DIMENSIONS ARE TO FACE OF STUD AT NEW WALL CONSTRUCTION OR FACE OF EXISTING WALL SURFACE TO REMAIN UNLESS NOTED OTHERWISE.
8. ALL DIMENSIONS NOTED TO BE VERIFIED SHALL BE VERIFIED ON SITE BY THE CONTRACTOR AND REPORTED TO THE ARCHITECT FOR CONFIRMATION PRIOR TO FRAMING OF FINISHES.
9. DIMENSIONS NOTED AS CLEAR OR CLR ARE FINAL FINISHED WALL SURFACE TO FINISHED FINISHED WALL SURFACE. SEE FINISH SCHEDULE AND VERIFY FINAL FINISHED WALL PRIOR TO FRAMING.

100% CONSTRUCTION DOCUMENTS

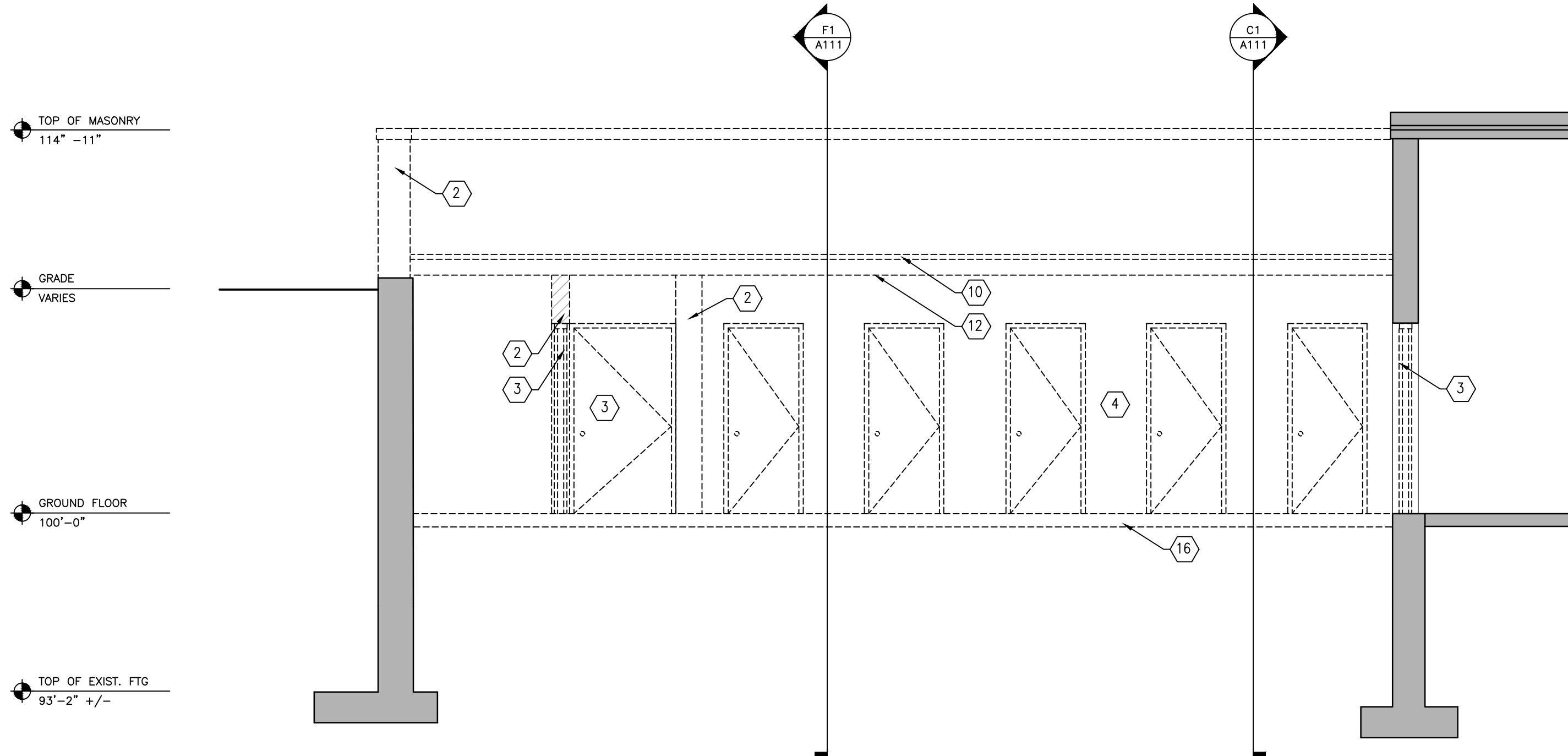
[illegible]



C1 EXISTING BUILDING SECTION LOOKING NORTH
1/4" = 1'-0"



F1 EXISTING BUILDING SECTION LOOKING SOUTH
1/4" = 1'-0"



F6 EXISTING BUILDING SECTION LOOKING WEST
1/4" = 1'-0"

- DEMOLITION PLAN NOTES:
- 1 REMOVE EXISTING EXTERIOR WALL
 - 2 REMOVE EXISTING CMU PARTITION/ MASONRY WALL
 - 3 REMOVE EXISTING DOOR AND FRAME
 - 4 REMOVE EXISTING STORAGE SHELVING & PARTITIONS
 - 5 REMOVE EXISTING RAMP AND HANDRAIL/GUARDRAIL. (MAINTAIN FOR REUSE)
 - 6 REMOVE EXISTING STAIRS AND HANDRAIL/GUARDRAIL. (MAINTAIN FOR REUSE)
 - 7 REMOVE EXISTING WINDOW. (TURN OVER TO VA)
 - 8 REMOVE FLOOR DRAIN
 - 9 REMOVE EXISTING MANHOLE STRUCTURE (SEE CIVIL)
 - 10 REMOVE EXISTING ROOF STRUCTURE AND ROOFING
 - 11 REMOVE EYE WASH. (TURN OVER TO VA)
 - 12 REMOVE EXISTING STEEL STRUCTURE
 - 13 REMOVE EXISTING BOLLARD, TYP.
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 - 15 REMOVE EXISTING DOCK BUMPER
 - 16 REMOVE EXISTING CONCRETE FLOOR SLAB
 - 17 REMOVE EXISTING GUARDRAIL, COMPLETE.
 - 18 SAW CUT EXISTING MASONRY WALL. PROVIDE UNTEL AS REQUIRED.
 - 19 REMOVE EXISTING ASPHALT. (SEE CIVIL)

- GENERAL NOTES:
1. EXISTING BUILDING PLANS HAVE BEEN SHOWN ACCORDING TO ORIGINAL BUILDING PLANS AND FIELD NOTES AND MEASUREMENTS. EXISTING CONDITIONS AND DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTORS AND DISCREPANCIES REPORTED TO THE ARCHITECT PRIOR TO FRAMING.
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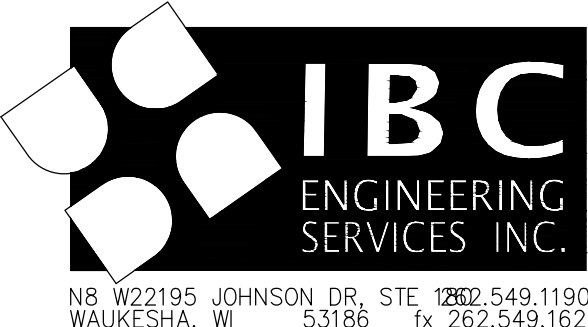
CONSULTANTS:

ARCHITECT/ENGINEERS:

13100 watertown plank road
suite 200
elm grove, wi 53122

p 262.641.0746
f 888.600.6207

magel
architects



Drawing Title

EXISTING BUILDING SECTIONS
DEMOLITION AND NOTES

Approved Project Director

Project Title

Middleton VAH
Construct Pharmacy Cache

Location

Madison, WI

Date
May 13, 2013

Checked
SAM

Draw
AJM

Project Number

607-13-101

Building Number

19

Drawing Number

A111

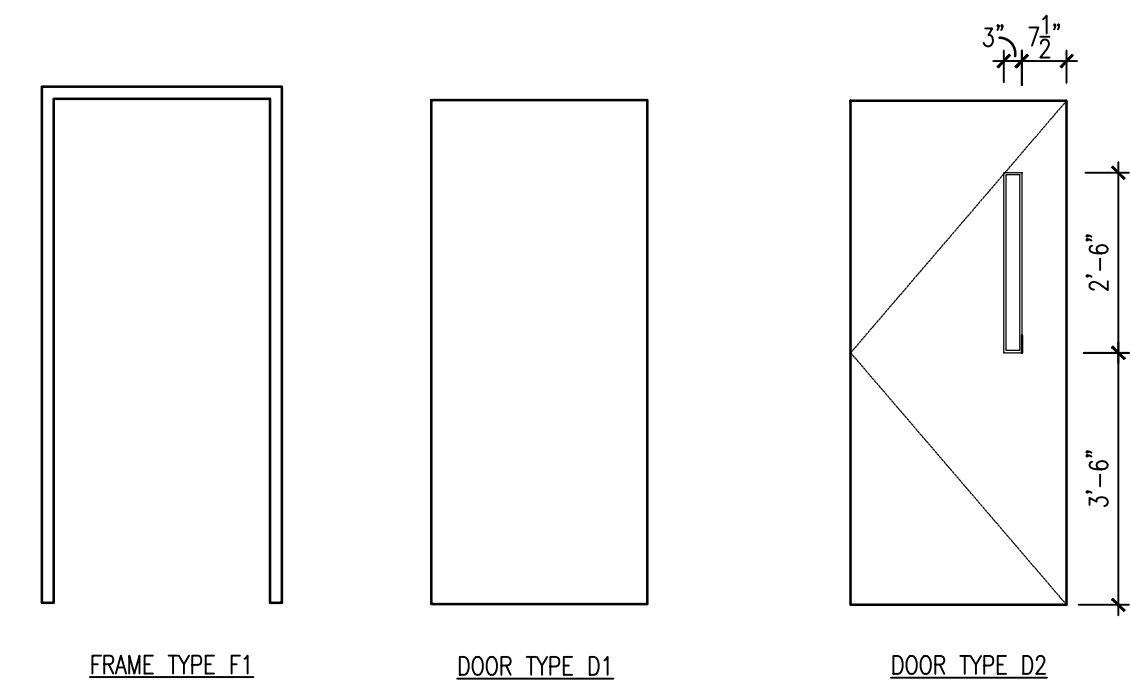
Office of
Construction
and Facilities
Management



Department of
Veterans Affairs

100% CONSTRUCTION DOCUMENTS

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one eighth inch = one foot



B1 DOOR TYPES
3/8" = 1'-0"

ROOM FINISH SCHEDULE													
Room No.	Room Name	FLOOR	BASE	WALLS				MILLWORK				CEILING	NOTES
001	PHARMACY CACHE	RES-1	RB-1	North	East	South	West	Toiletk	Base Cabinet	Top	Backsplash	Upper Cabinet	PA-3
002	VESTIBULE	RES-1	RB-1	PA-2	PA-2	PA-2	PA-2	PL-1	PL-1	PL-1	PL-1	PL-1	PA-3
003	EXISTING PHARMACY LOADING DOCK	-	-	-	-	-	PA-4						

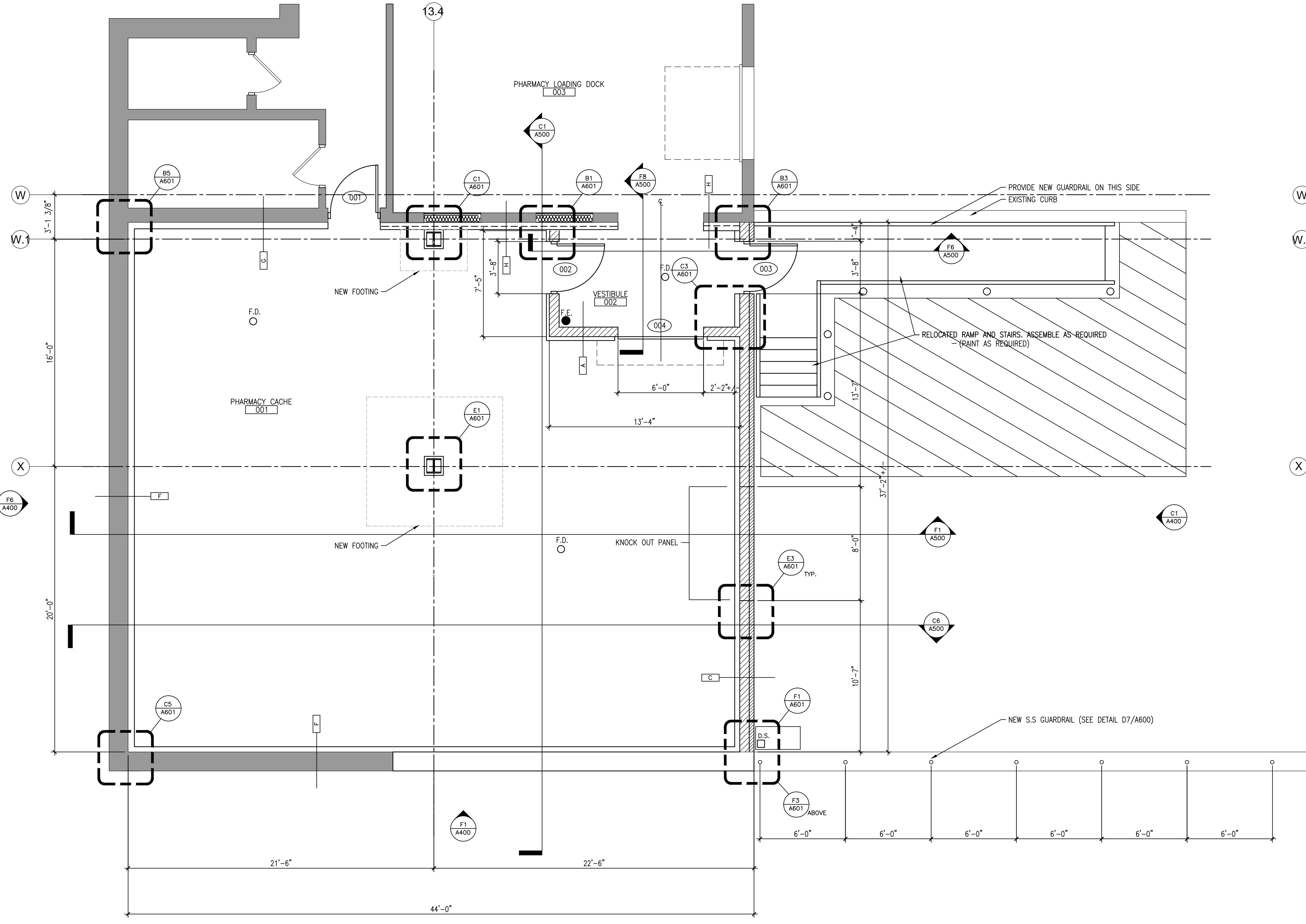
INTERIOR FINISH KEY													
CODE	MANUFACTURER & SPEC												NOTES
PA-1	PAINT @ DOORS - SHERMAN WILLIAMS SW7040 SMOKEHOUSE / SHEEN: SATIN												
PA-2	PAINT @ WALLS - SHERMAN WILLIAMS SW6147 PANDA WHITE / GLOSS 2 FINISH												
PA-3	PAINT @ DECK ABOVE - SHERMAN WILLIAMS COLOR: TBD												
PA-4	PAINT @ WALL INFILL- PATCH TO MATCH												
PL-1	PLASTIC LAMINATE FINISH - COLOR: TBD												
RB-1	RUBBER BASE - JOHNSONITE - COLOR: TBD / 4" HIGH COVE BASE												
RES-1	RESINOUS (EPOXY BASE) W. VINYL CHIP BASE/ COLOR: TBD												

DOOR SCHEDULE																		
Door No.	Room Name	SIZE			DOOR			FRAME			DETAILS				HARDWARE	RATED	COMMENTS	
		Width	Height	Thickness	Type	Material	Glass	Fin.	Type	Material	Width	Fin.	Sill	Jamb				Head
001	PHARMACY CACHE	3'-6"	7'-0"	1 3/4"	D1	HM		PA-1	F1	HM	-	PA-1	-	-	-	1	45	ELECTRIC STRIKE AND C.R.
002	VESTIBULE INTERIOR	3'-6"	7'-0"	1 3/4"	D1	HM		PA-1	F1	HM	-	PA-1	-	-	-	1	45	ELECTRIC STRIKE AND C.R.
003	VESTIBULE EXTERIOR	3'-6"	7'-0"	1 3/4"	D2	HM	Y	PA-1	F1	HM	-	PA-1	-	-	-	2	45	ELECTRIC STRIKE AND C.R.
004	VESTIBULE COILING DOOR	6'-0"	8'-0"	-	-	STEEL	-	PA-1	-	-	-	-	-	-	-	3	45	MAGNETIC LOCK AND C.R.

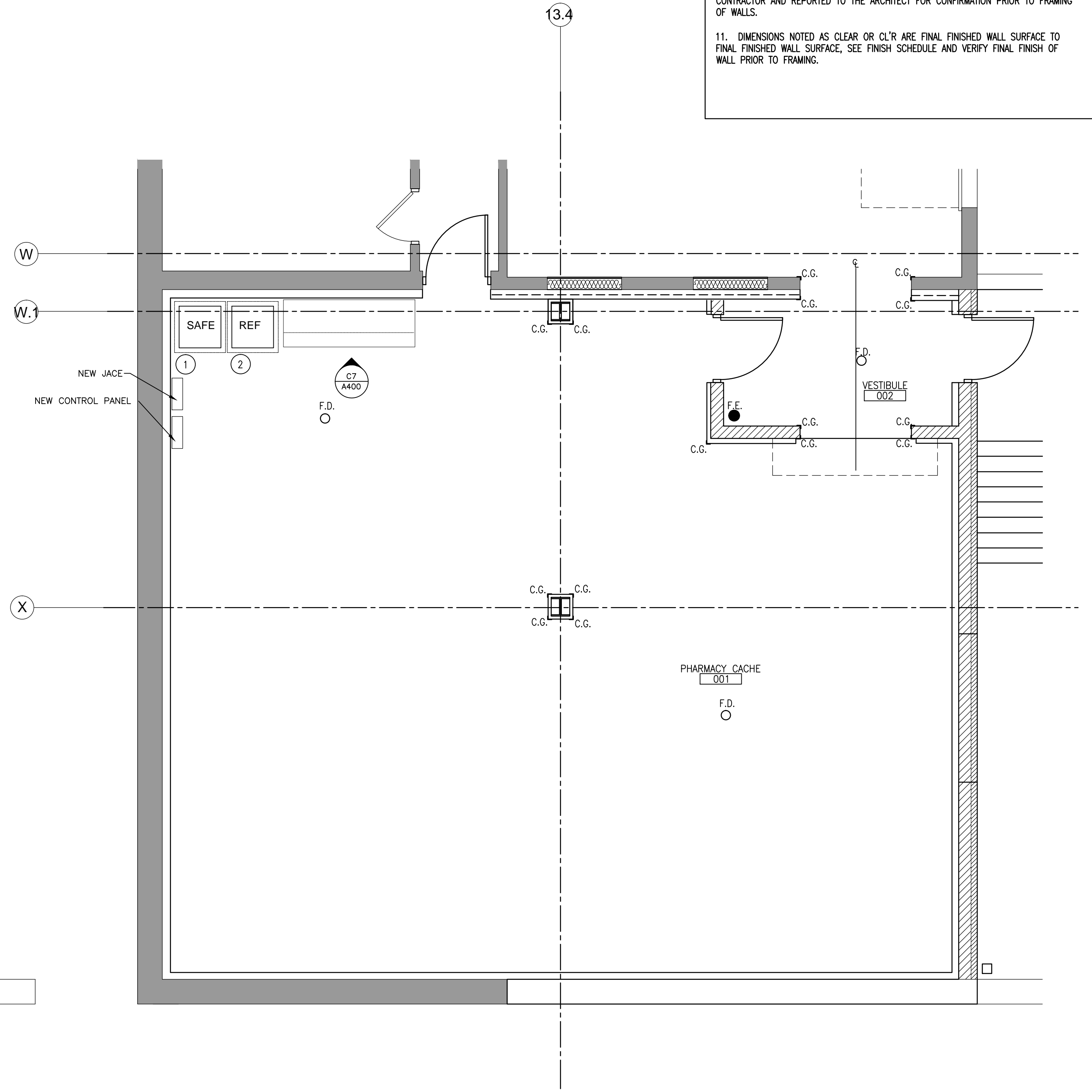
EQUIPMENT SCHEDULE			
SYMBOL	ITEM	FURN.	INSTALL
①	SAFE	VA	G.G.
②	REFRIGERATOR	VA	VA

G.G. TO VERIFY SAFE ANCHOR REQUIREMENTS AND PROVIDE EMBED PLATES OR OTHER ITEMS AS REQUIRED.

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 - EXISTING WALLS, PARTITIONS, FLOOR LINES AND DOORS AND FRAMES THAT REMAIN ARE SHOWN IN CONTINUOUS LINE WEIGHT. THESE AND EXISTING FLOOR AND WALL FINISHES THAT ARE SCHEDULED TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. ANY SUCH EXISTING CONDITIONS WHICH ARE DAMAGED OR BECOME UNSTABLE DUE TO OTHER DEMOLITION SHALL BE REPLACED AT NO COST TO OWNER WITH NEW CONSTRUCTION TO MATCH.
 - G.C. SHALL PROVIDE AND MAINTAIN APPROPRIATE BARRICADES AND SAFETY MEASURES IN AREAS OF CONSTRUCTION AT ALL TIMES.
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 - ALL EXISTING WALLS, PATCH FLUSH TO REPAIR EXISTING HOLES, DAMAGED AREAS AND WHERE WALLS WERE PREVIOUSLY REMOVED, OR UTILITY MODIFICATIONS WERE PERFORMED. PROVIDE NEW FINISHES PER SCHEDULE.
 - ALL WALL TYPES TO BE TYPE "A" UNLESS NOTED OTHERWISE BY SYMBOL OR NOTE.
 - PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS AND END WALLS, SEE DETAIL ON SHEET A-601.
 - PROVIDE GYPSUM BOARD CONTROL JOINTS AT ALL LOCATIONS WHERE NEW WALL SURFACE MEETS EXISTING TO REMAIN, SEE SHEET A-601.
 - ALL DIMENSIONS ARE TO FACE OF STUD AT NEW WALL CONSTRUCTION OR FACE OF EXISTING WALL SURFACE TO REMAIN UNLESS NOTED OTHERWISE.
 - ALL DIMENSIONS NOTED TO BE VERIFIED SHALL BE VERIFIED ON SITE BY THE CONTRACTOR AND REPORTED TO THE ARCHITECT FOR CONFIRMATION PRIOR TO FRAMING OF WALLS.
 - DIMENSIONS NOTED AS CLEAR OR CL'R ARE FINAL FINISHED WALL SURFACE TO FINAL FINISHED WALL SURFACE, SEE FINISH SCHEDULE AND VERIFY FINAL FINISH OF WALL PRIOR TO FRAMING.




F1 GROUND FLOOR PLAN
1/4" = 1'-0"



F6 GROUND FLOOR EQUIPMENT PLAN
1/4" = 1'-0"

100% CONSTRUCTION DOCUMENTS

CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title GROUND FLOOR PLAN RENOVATION AND NOTES		Project Title Middleton VAH Construct Pharmacy Cache		Project Number 607-13-101		Office of Construction and Facilities Management  Department of Veterans Affairs	
				Approved: Project Director		Location Madison, WI		Building Number 19			
Revisions						Date May 13, 2013		Checked SAM		Drawn AJM	
								Drawing Number A200			

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nagel architects

18 W22195 JOHNSON DR., STE 1260, 549 1190
WAUKESHA, WI 53186 TX 262.549.1620

IBC ENGINEERING SERVICES INC.

GENERAL NOTES:

1. EXISTING BUILDING PLANS HAVE BEEN SHOWN ACCORDING TO ORIGINAL BUILDING PLANS AND FIELD NOTES AND MEASUREMENTS. EXISTING CONDITIONS AND DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTORS AND DISCREPANCIES REPORTED TO THE ARCHITECT PRIOR TO FRAMING.

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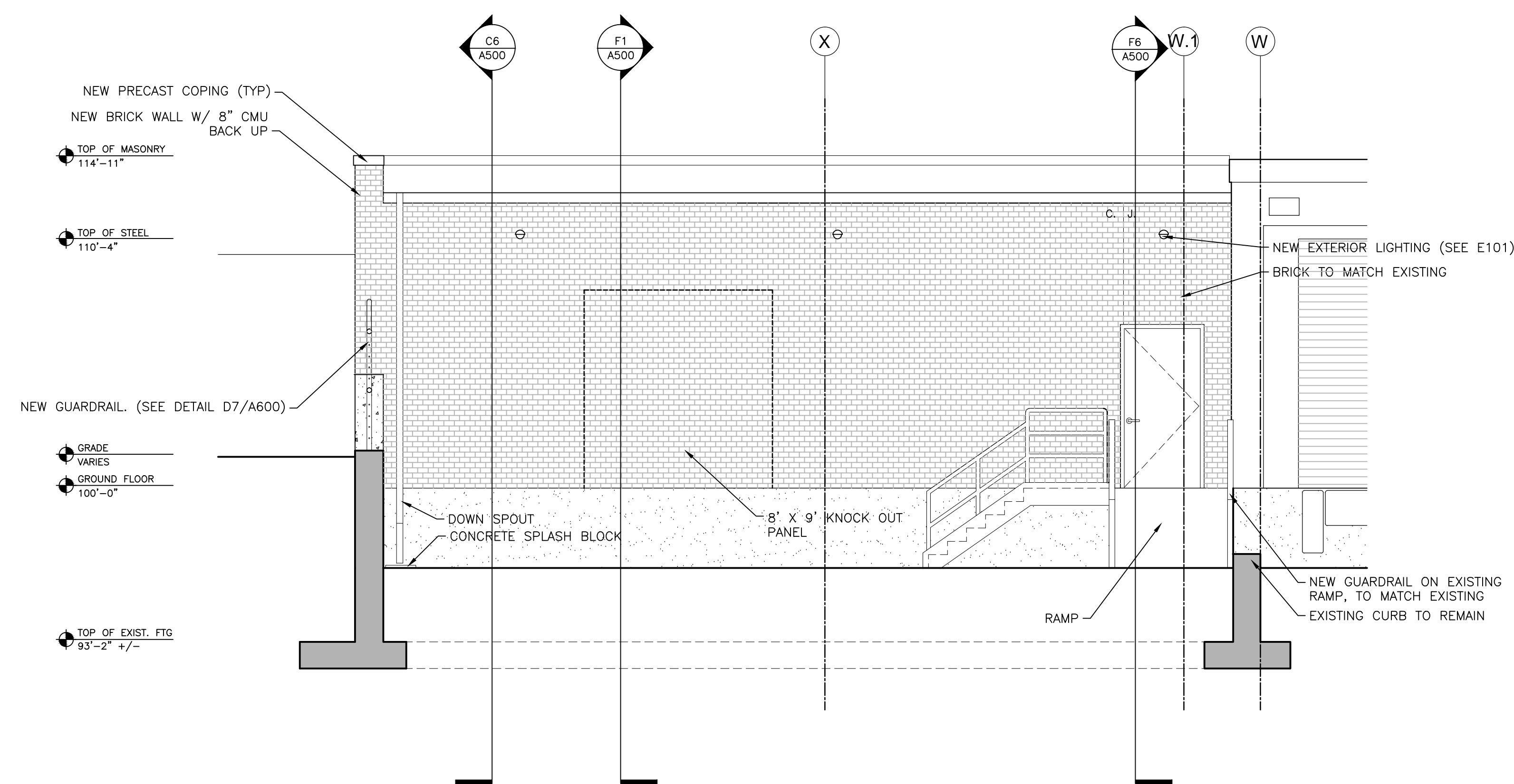
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6. PROVIDE GYPSUM BOARD CONTROL JOINTS AT ALL LOCATIONS WHERE NEW WALL SURFACE MEETS EXISTING TO REMAIN.

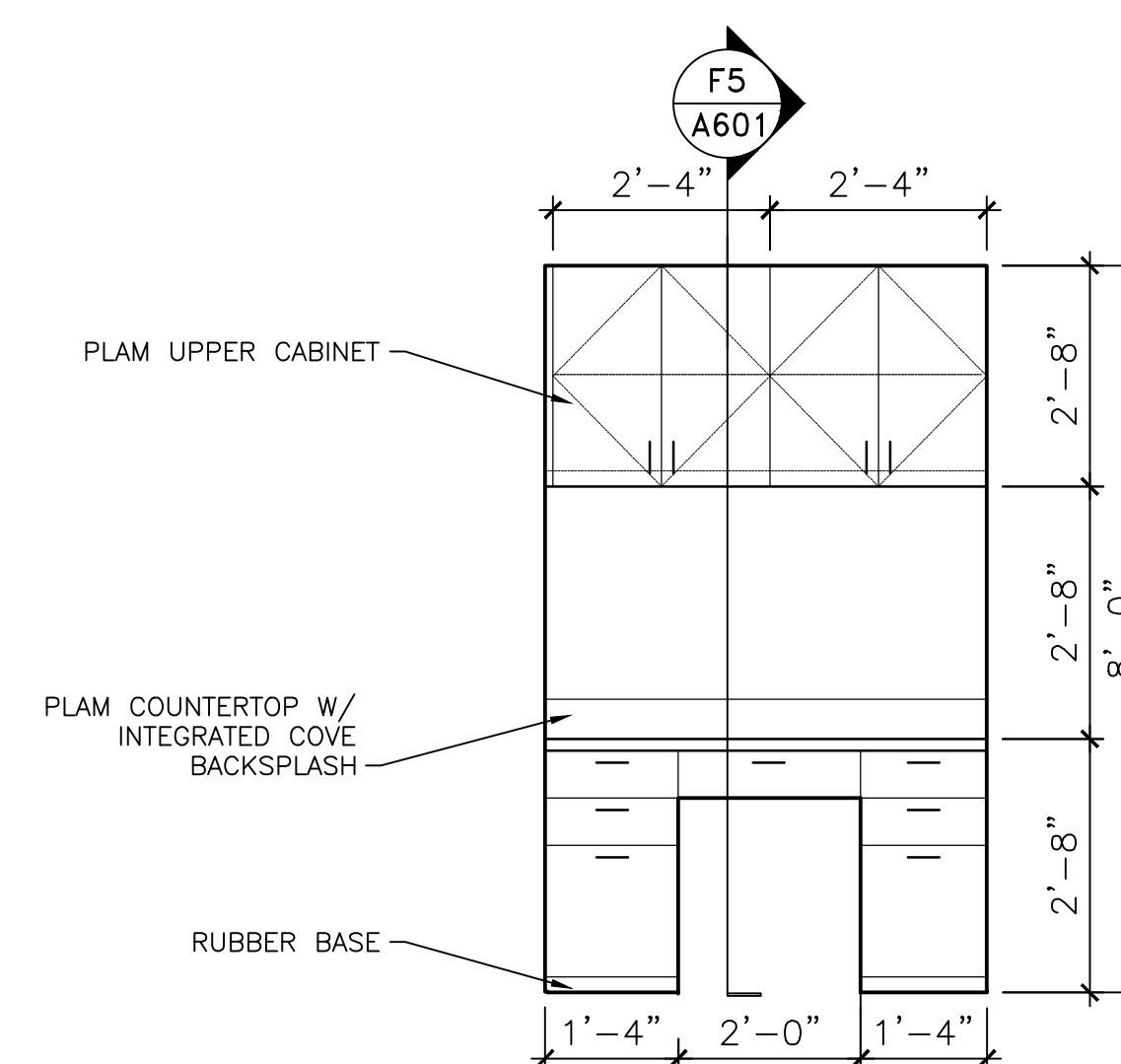
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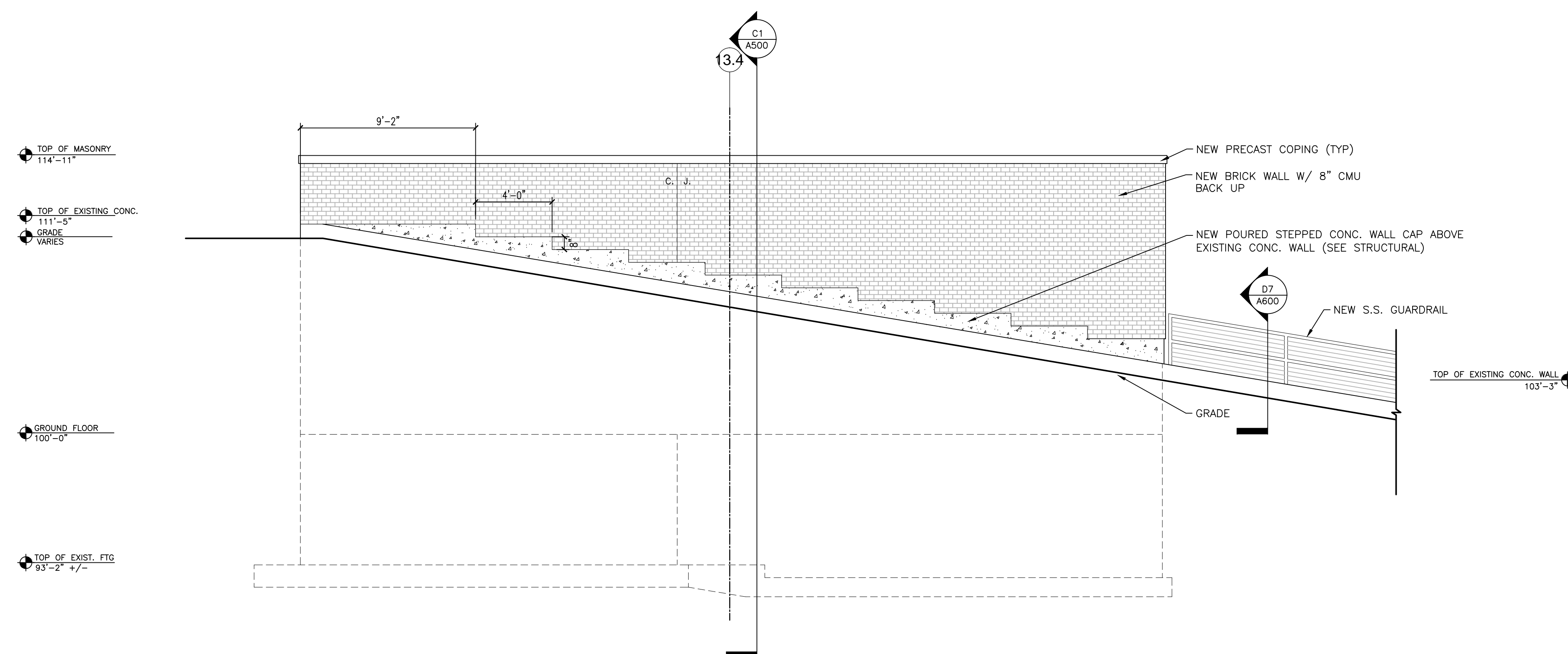
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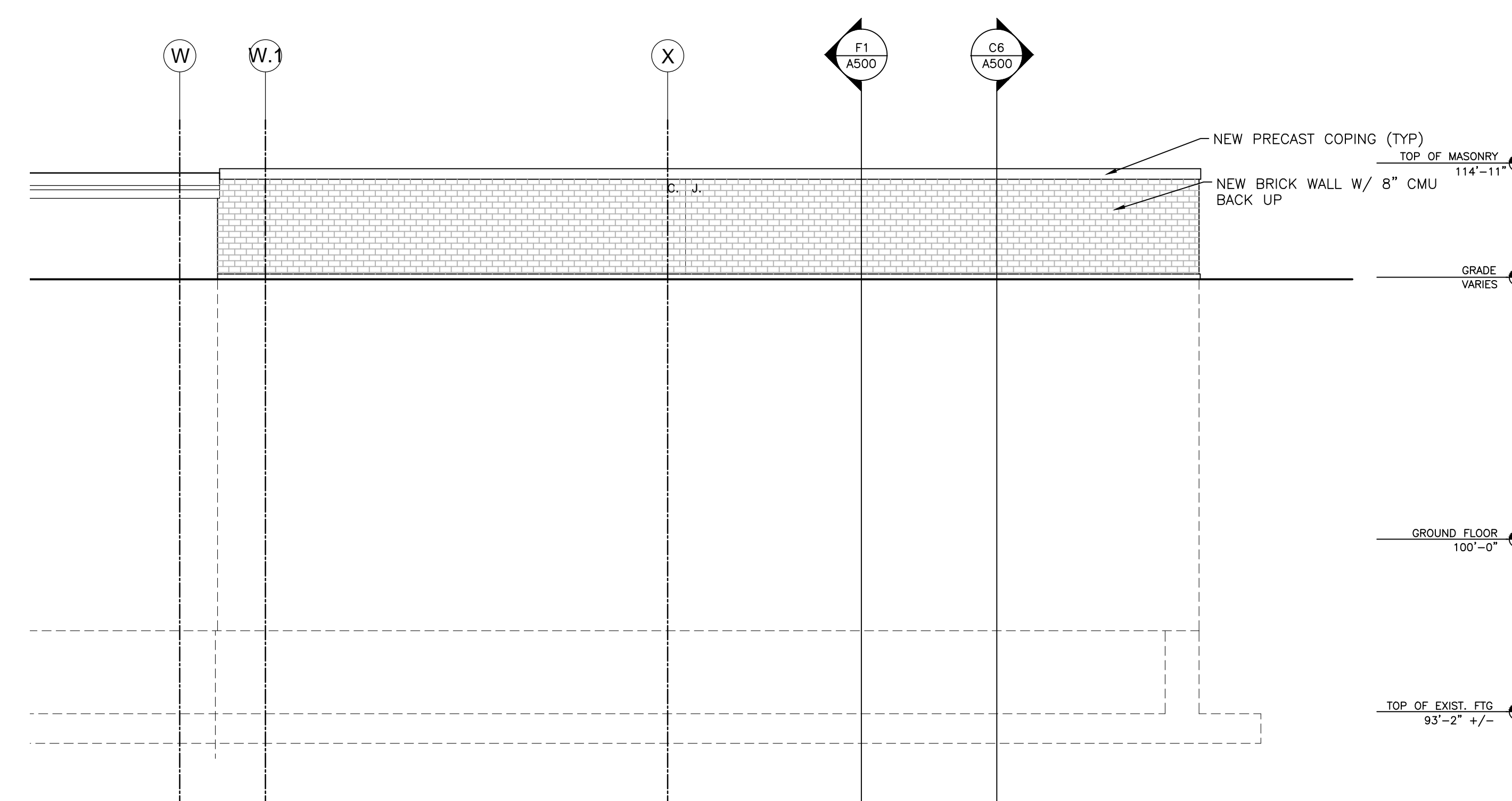
C1 EAST ELEVATION
1/4" = 1'-0"



C7 CASEWORK ELEVATION



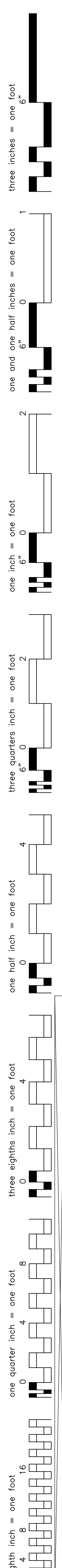
F1 SOUTH ELEVATION
1/4" = 1'-0"



F6 WEST ELEVATION
1/4" = 1'-0"

100% CONSTRUCTION DOCUMENTS

[illegible]



one eighth inch = one foot
0 4 8 16

one quarter inch = one foot
0 4 8

three eighths inch = one foot
0 4

one half inch = one foot
0 4

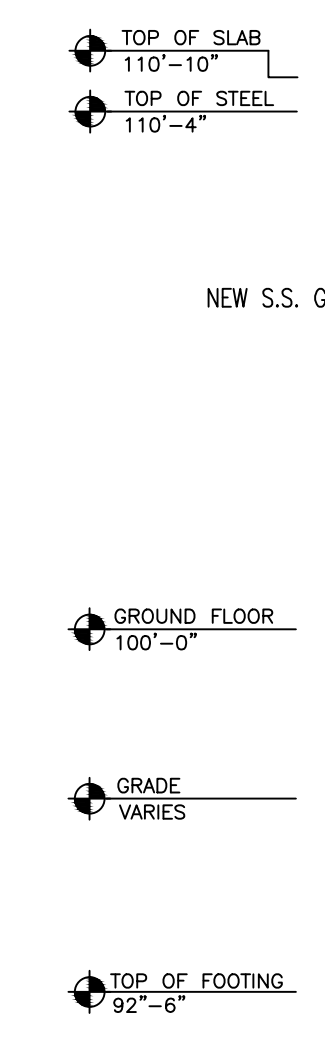
three quarters inch = one foot
0 4

one inch = one foot
0 4 8 16

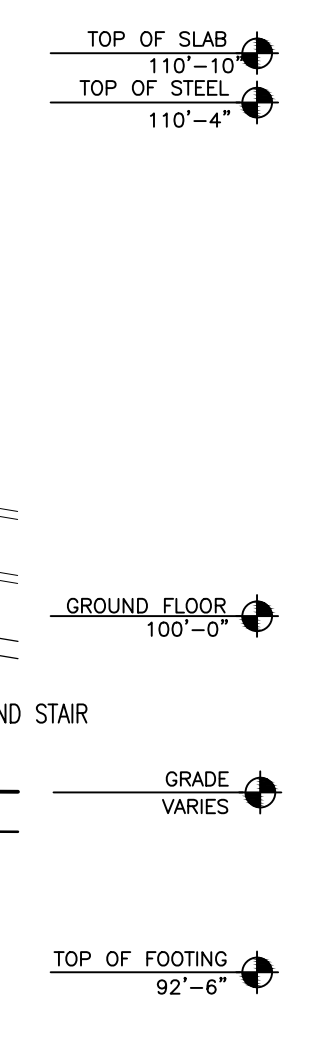
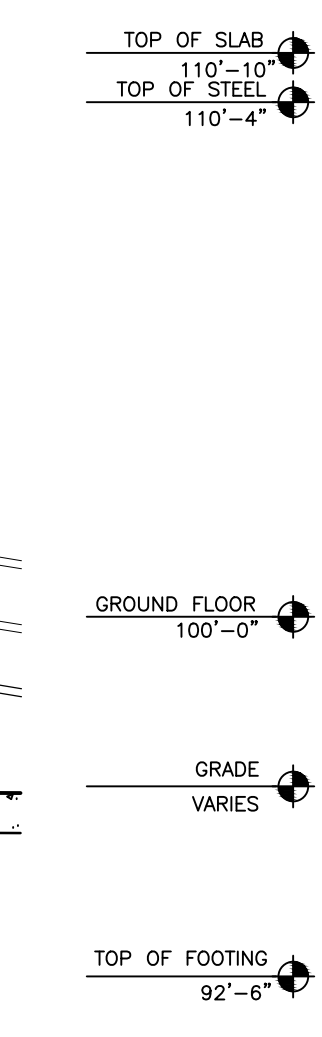
one and one half inches = one foot
0 6 12

two inches = one foot
0 6 12

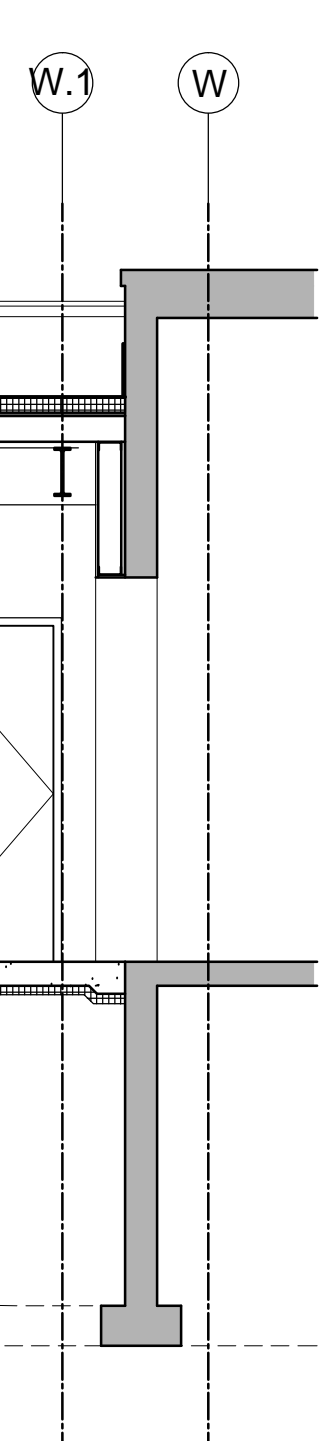
three inches = one foot
0 6 12



$1/4" = 1'-0"$



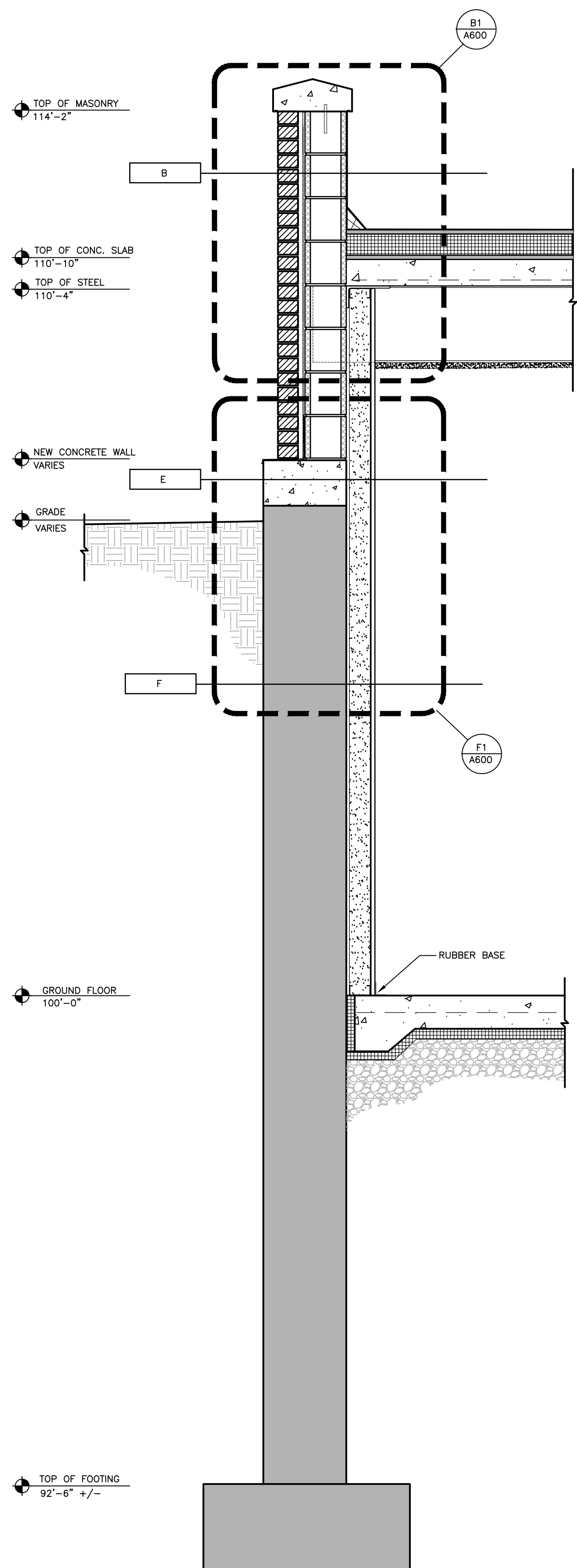
$1/4" = 1'-0"$



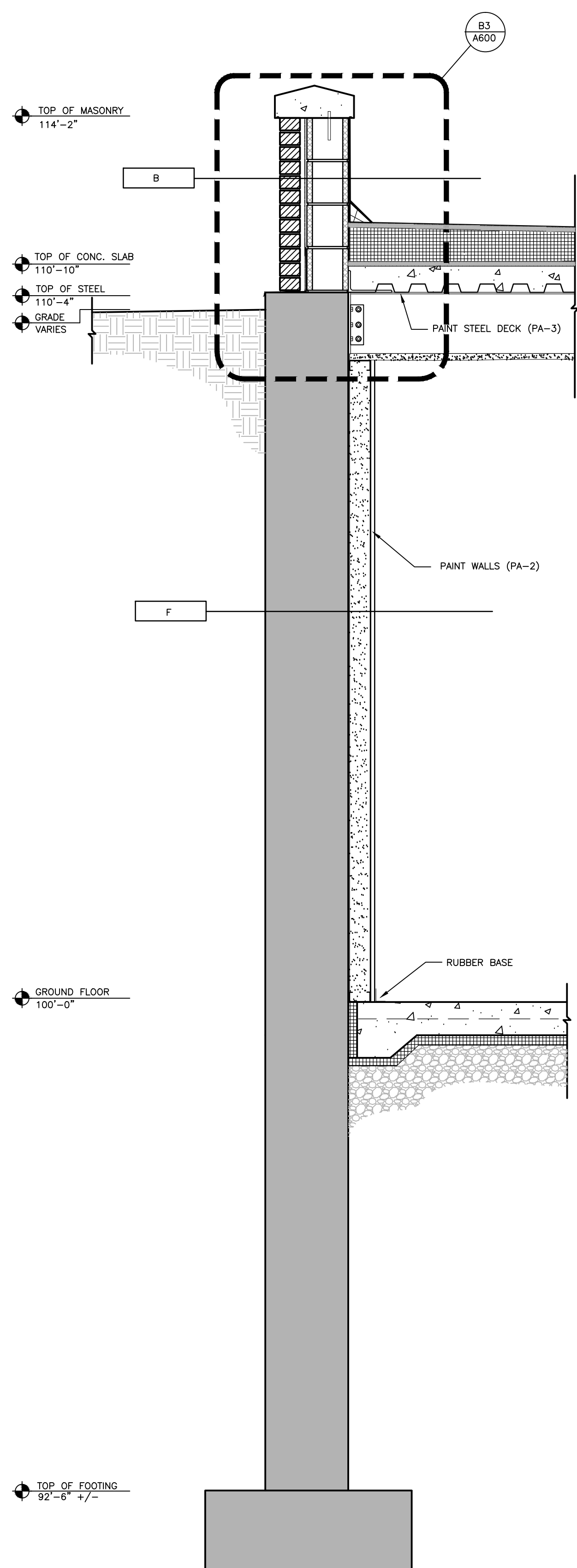
1/4" = 1'-0"

100% CONSTRUCTION DOCUMENTS

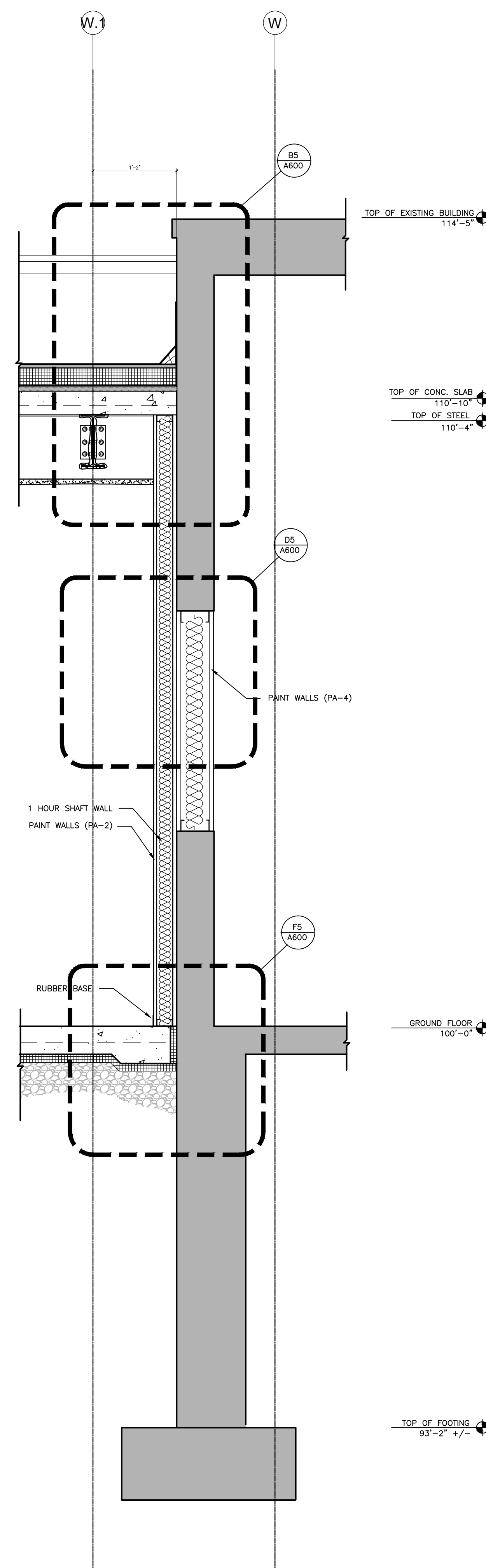
three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



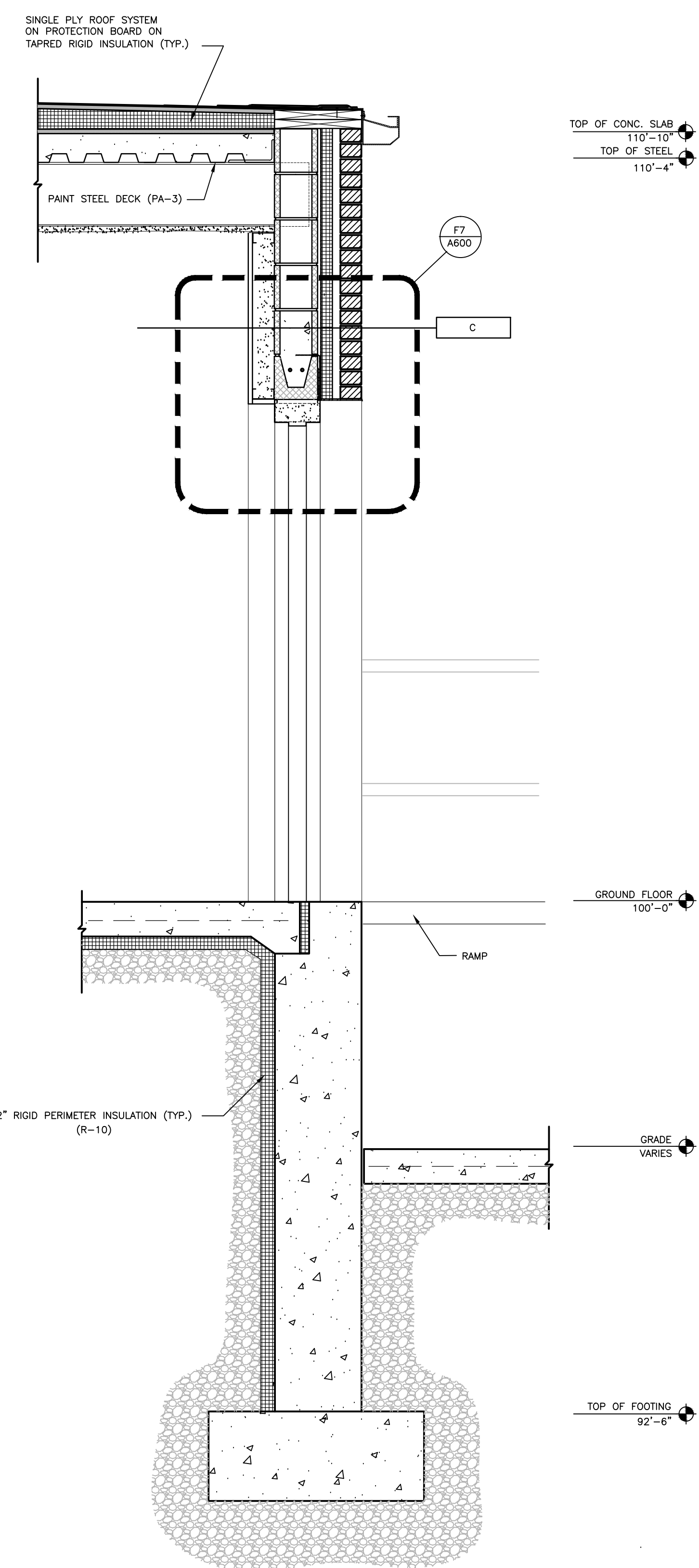
F1 WALL SECTION THROUGH SOUTH WALL
3/4" = 1'-0"



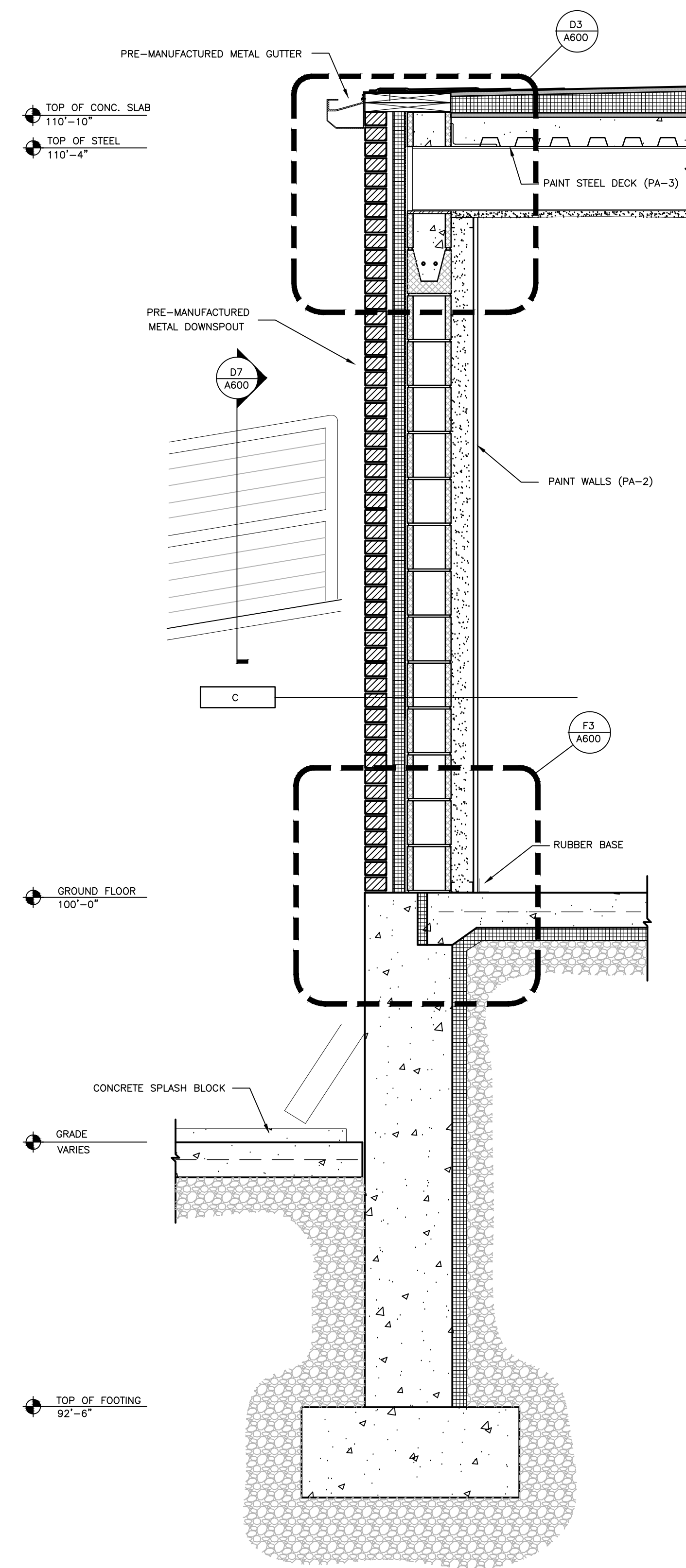
F2 WALL SECTION THROUGH WEST WALL
3/4" = 1'-0"



F4 WALL SECTION THROUGH NORTH WALL
3/4" = 1'-0"



F6 WALL SECTION THROUGH ENTRANCE
3/4" = 1'-0"



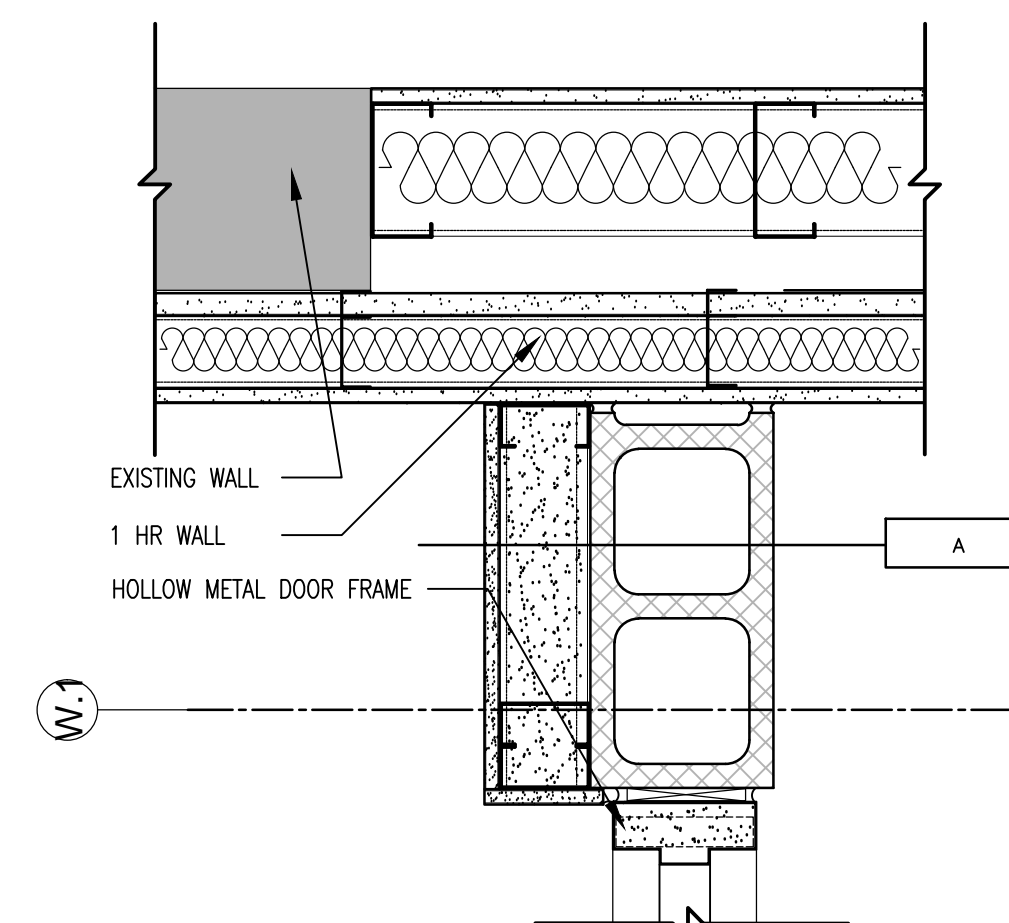
F8 WALL SECTION THROUGH EAST WALL
3/4" = 1'-0"

WALL TYPES: (SEE A601 FOR MORE INFO)
SPRAY FIREPROOFING 3 HR UL #
BEAMS D925
COLUMNS X772

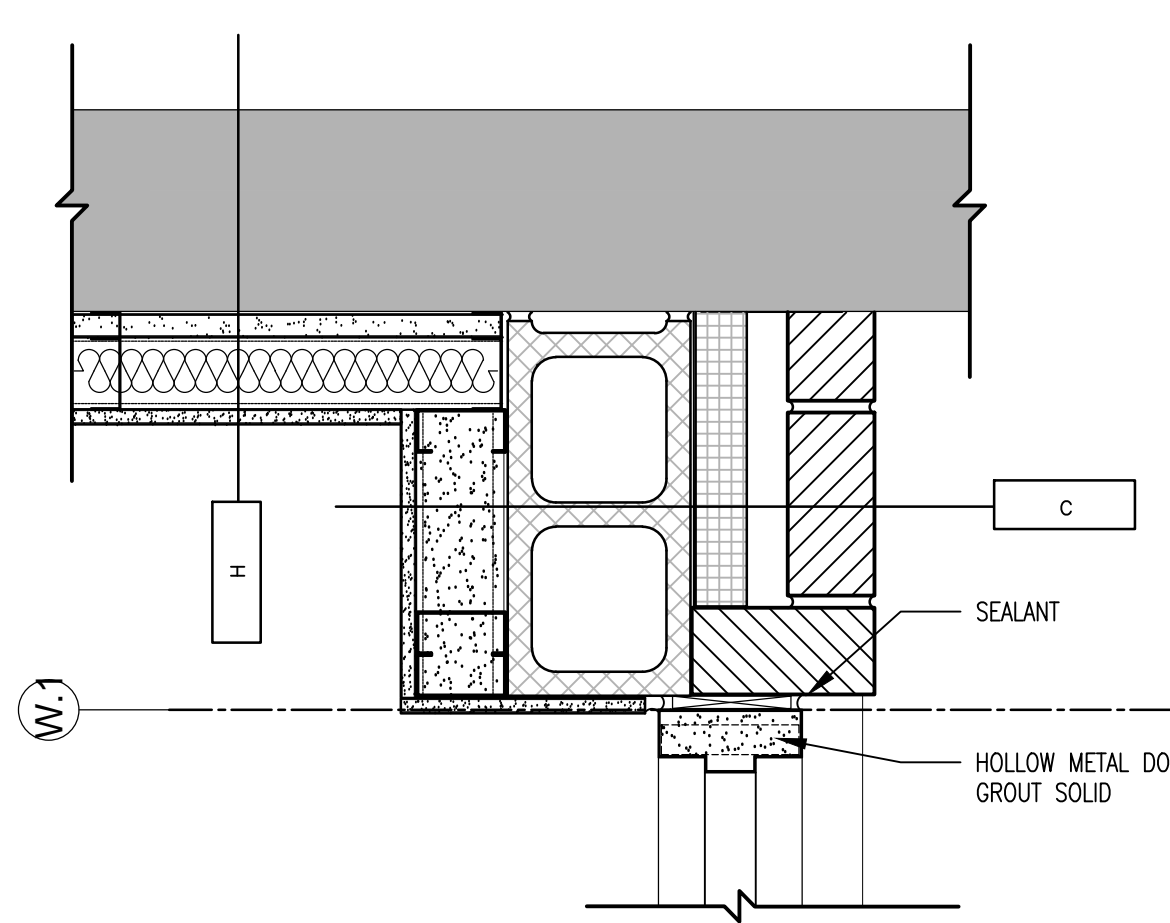
100% CONSTRUCTION DOCUMENTS

		<div>CONSULTANTS:</div>	<div>ARCHITECT/ENGINEERS:</div> <div>13100 watertown plank road </div>
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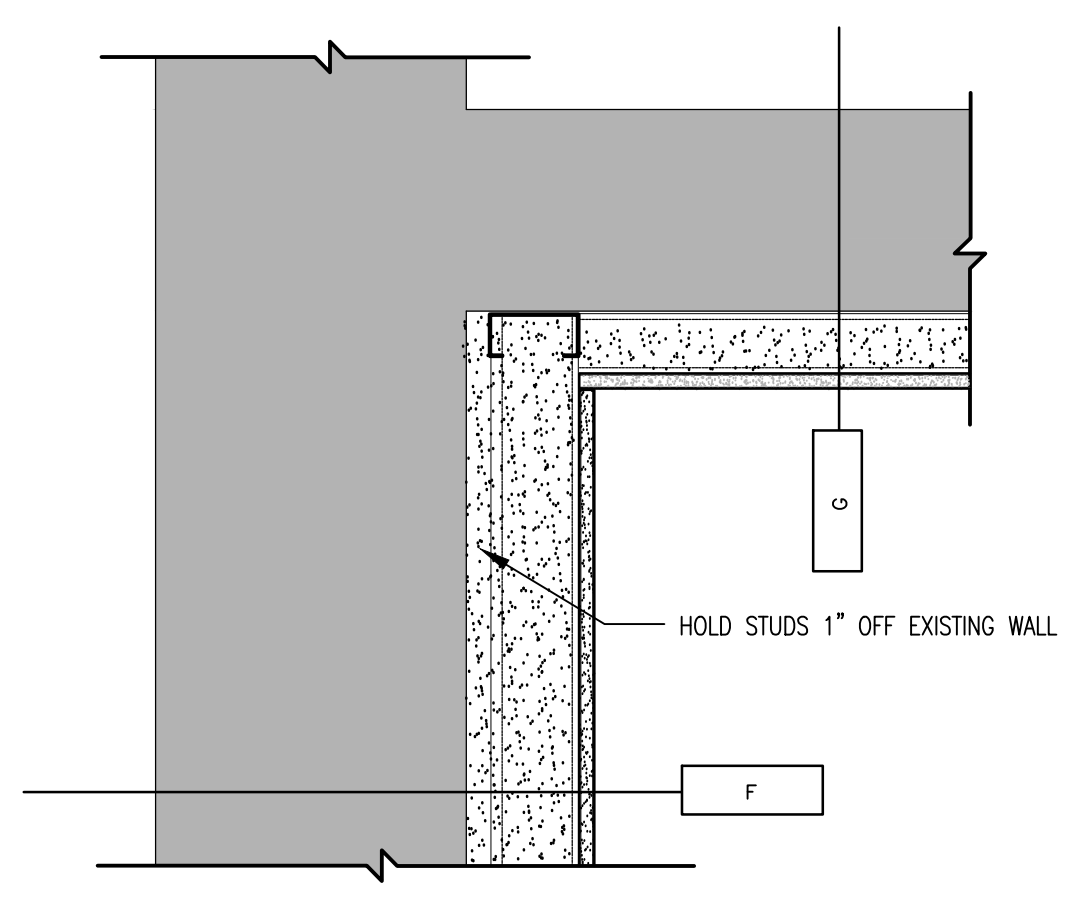
three inches = one foot
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one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



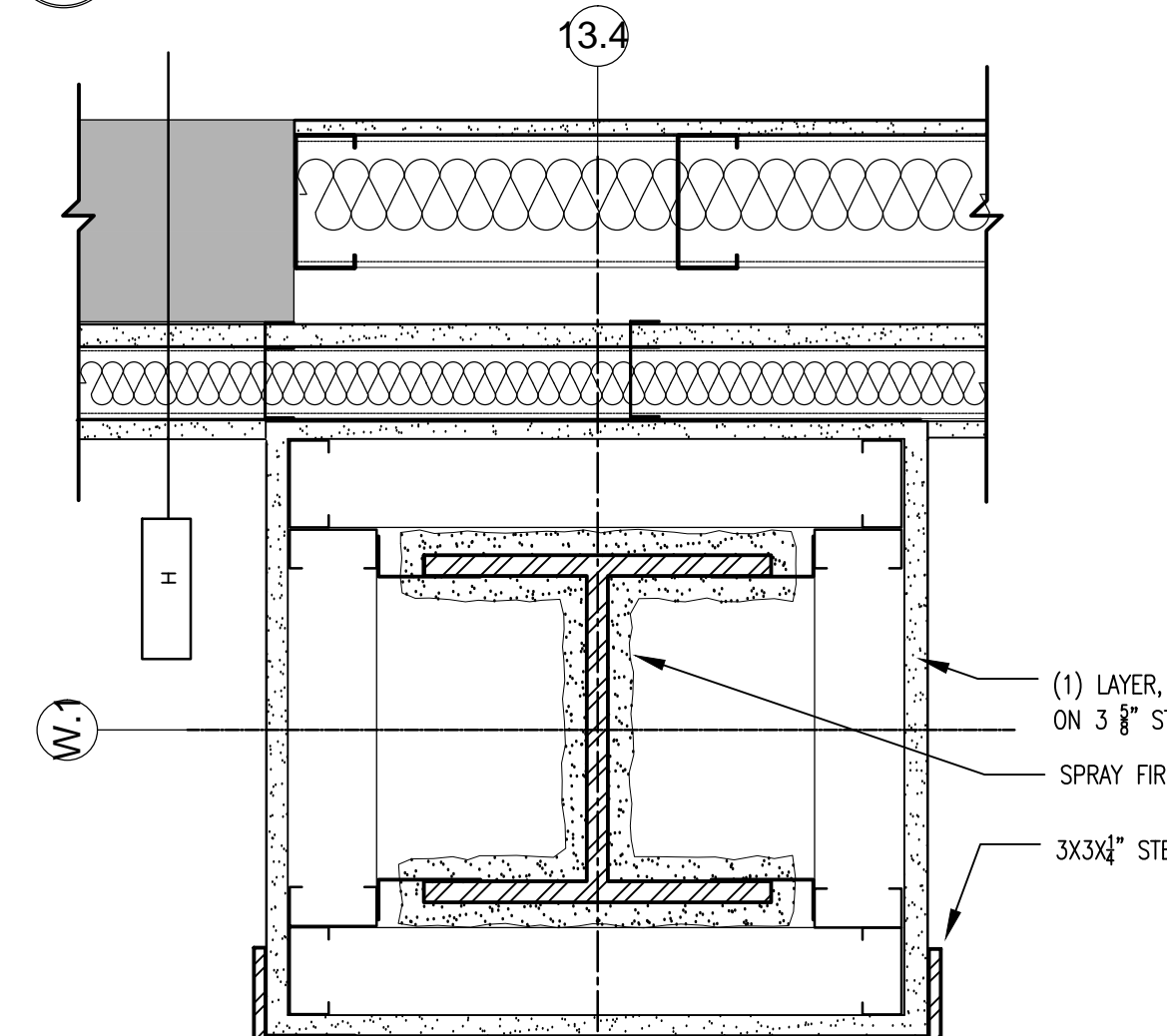
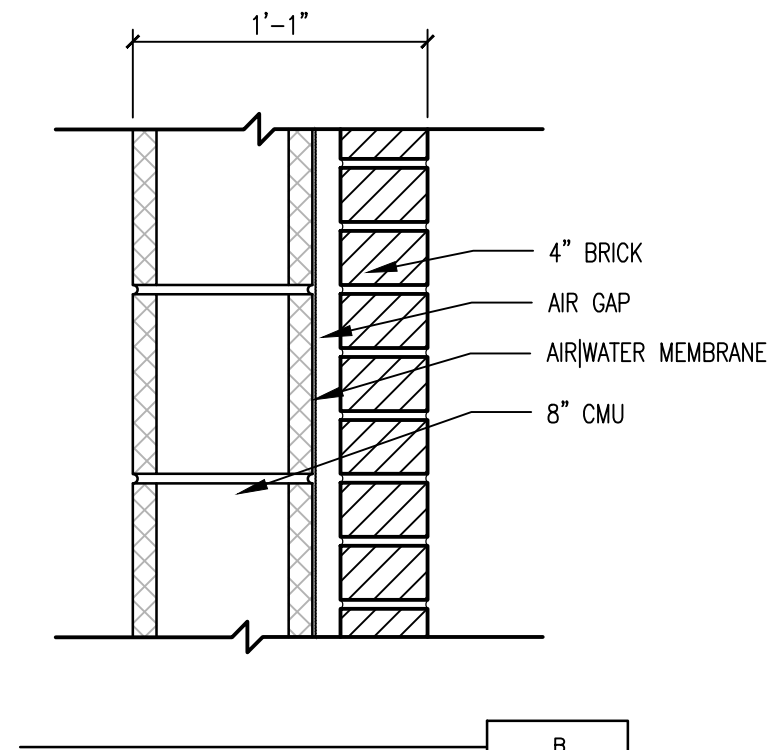
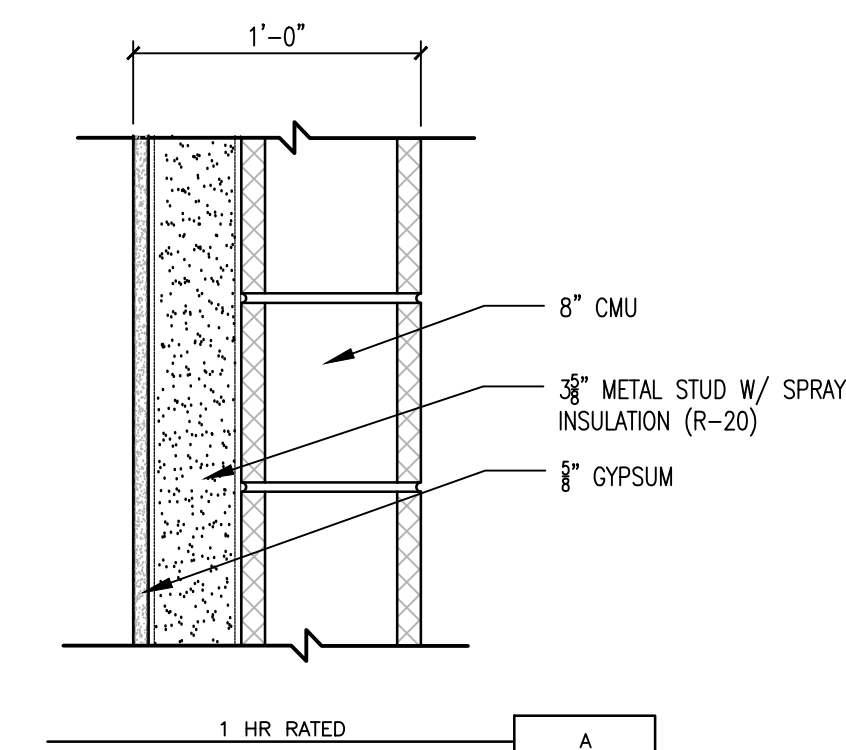
B1
DETAIL @ VESTIBULE DOOR JAMB
SCALE: 1 1/2" = 1'-0"



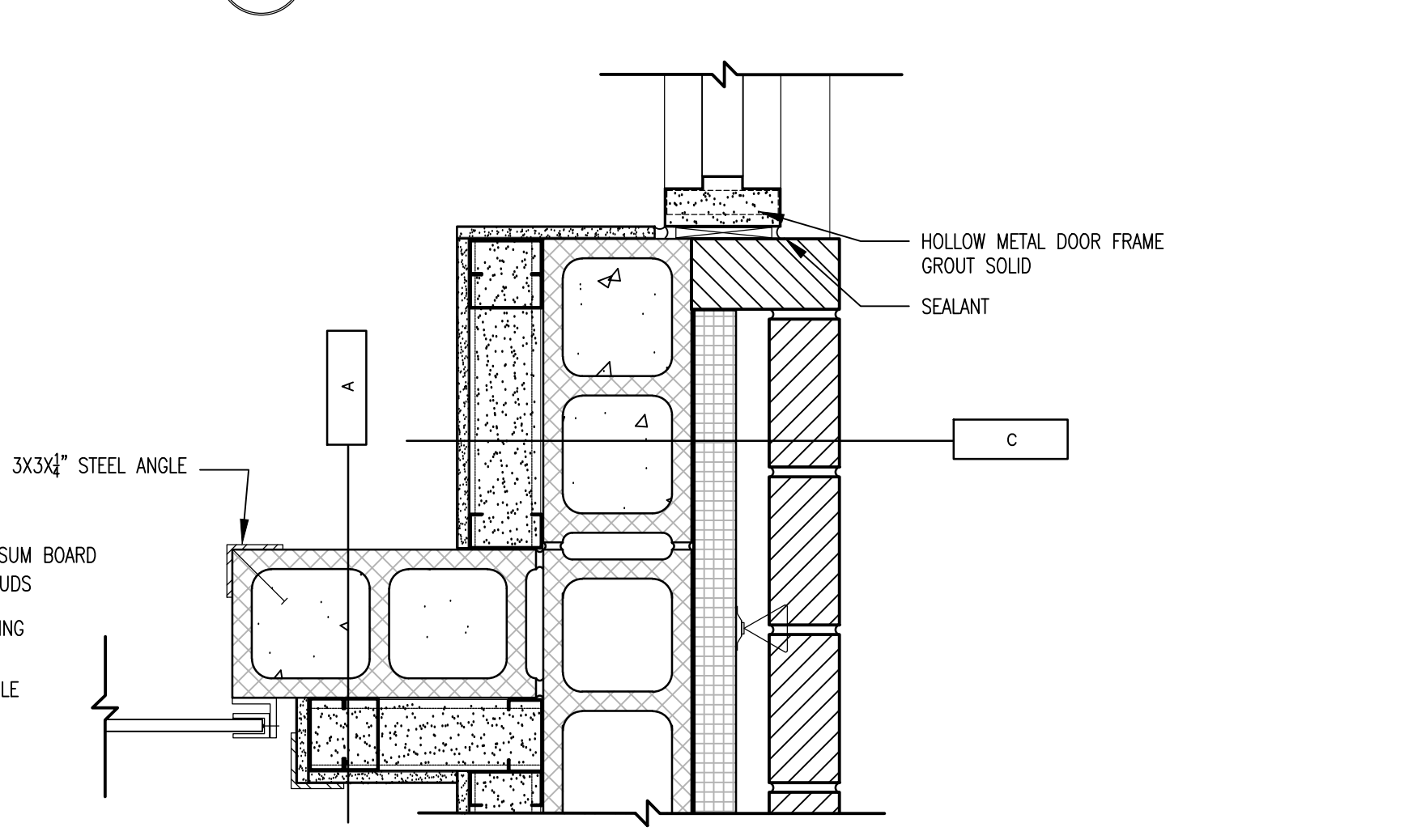
B3
DETAIL @ VESTIBULE DOOR JAMB
SCALE: 1 1/2" = 1'-0"



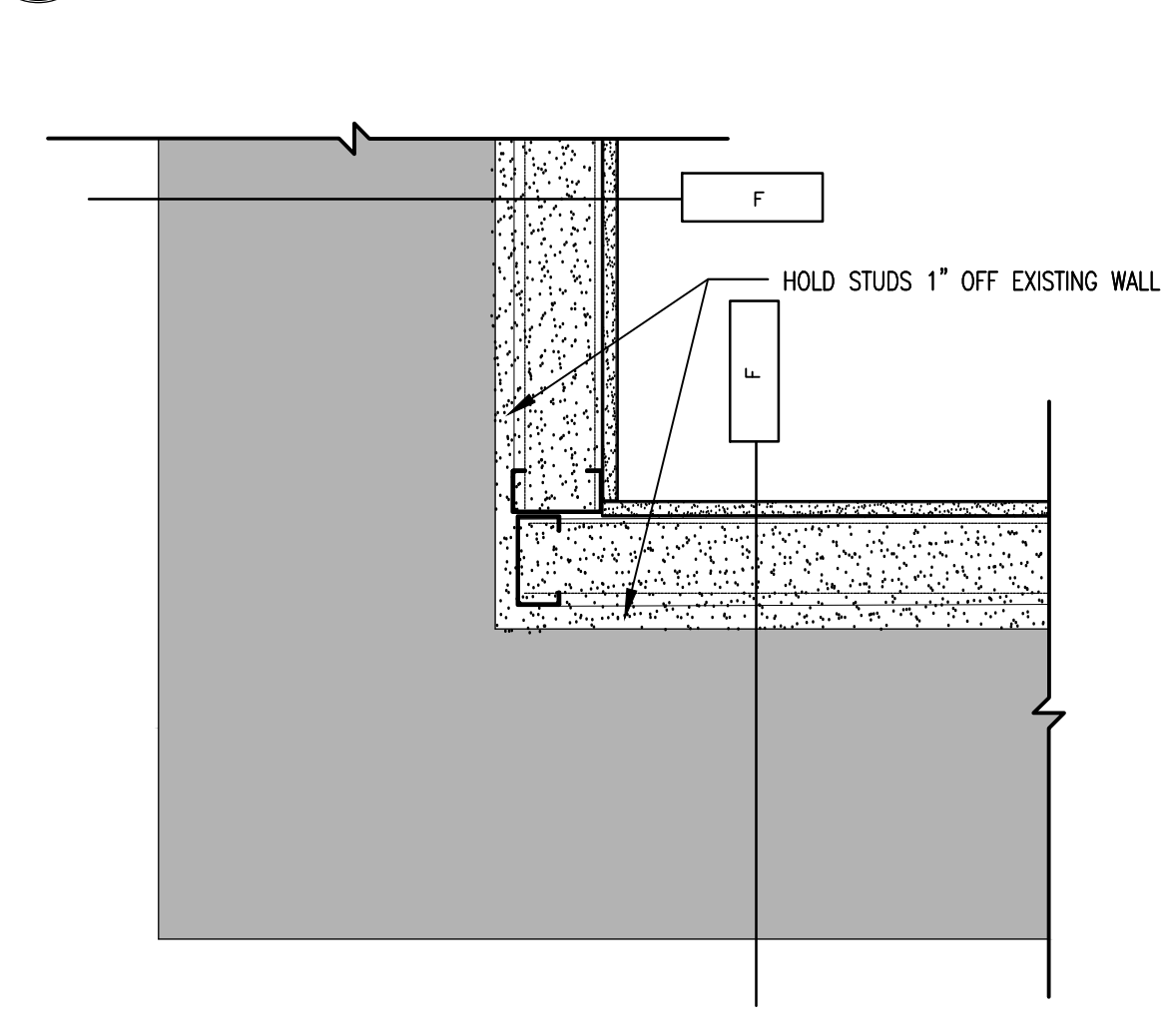
B5
DETAIL @ NORTH WEST CORNER
SCALE: 1 1/2" = 1'-0"



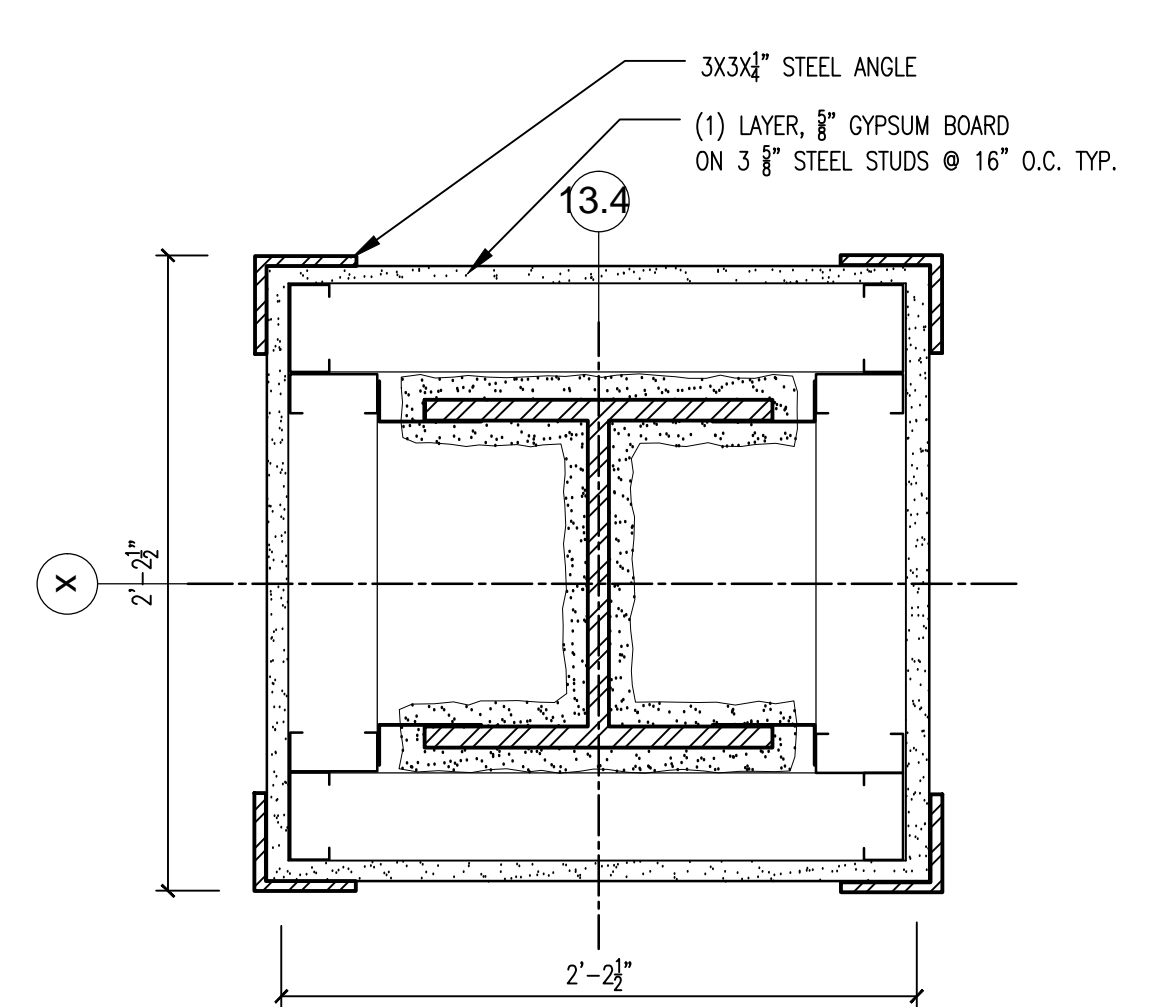
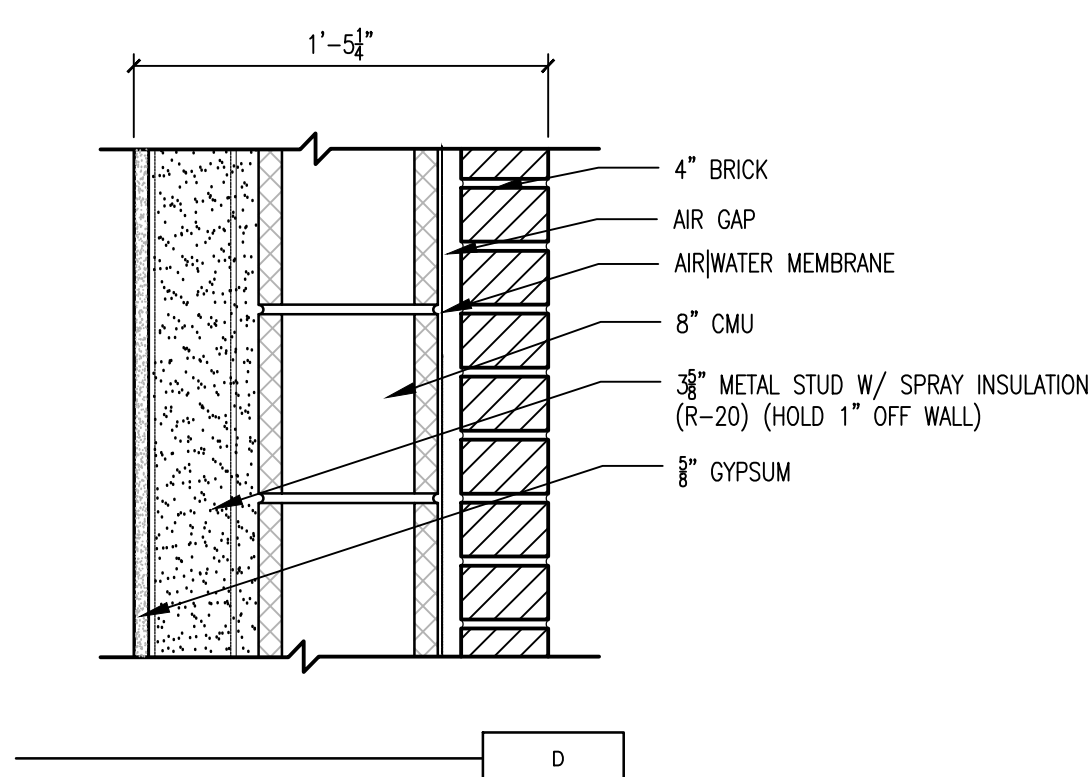
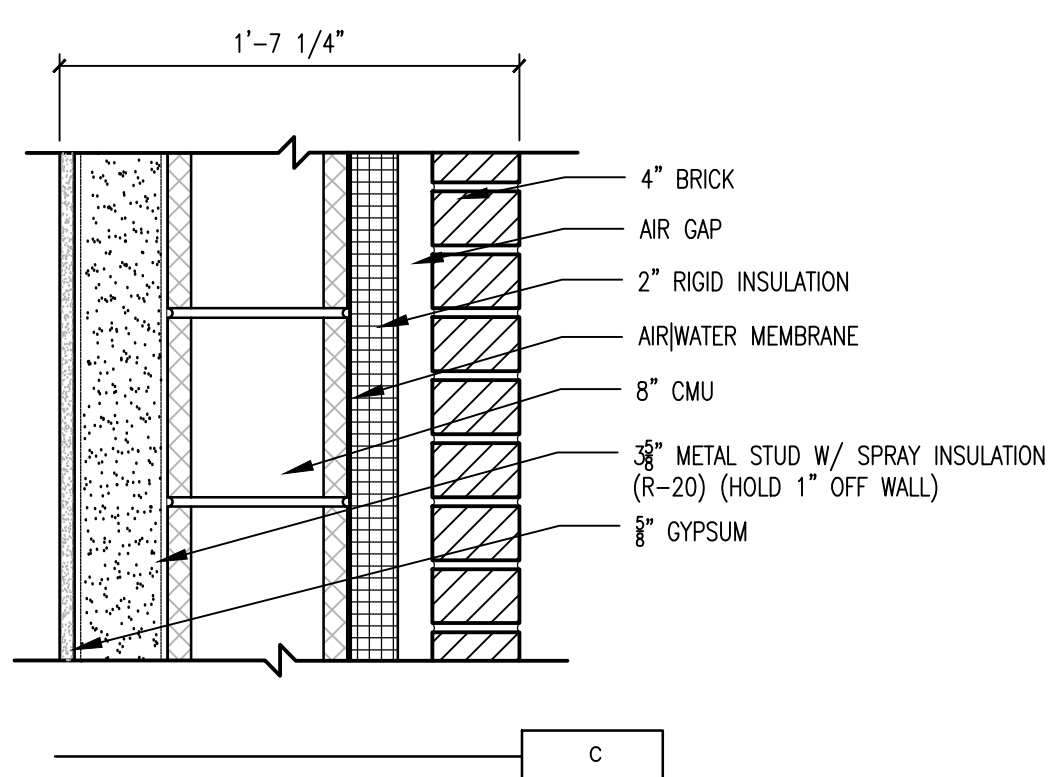
C1
DETAIL @ COLUMN AT WALL
SCALE: 1 1/2" = 1'-0"



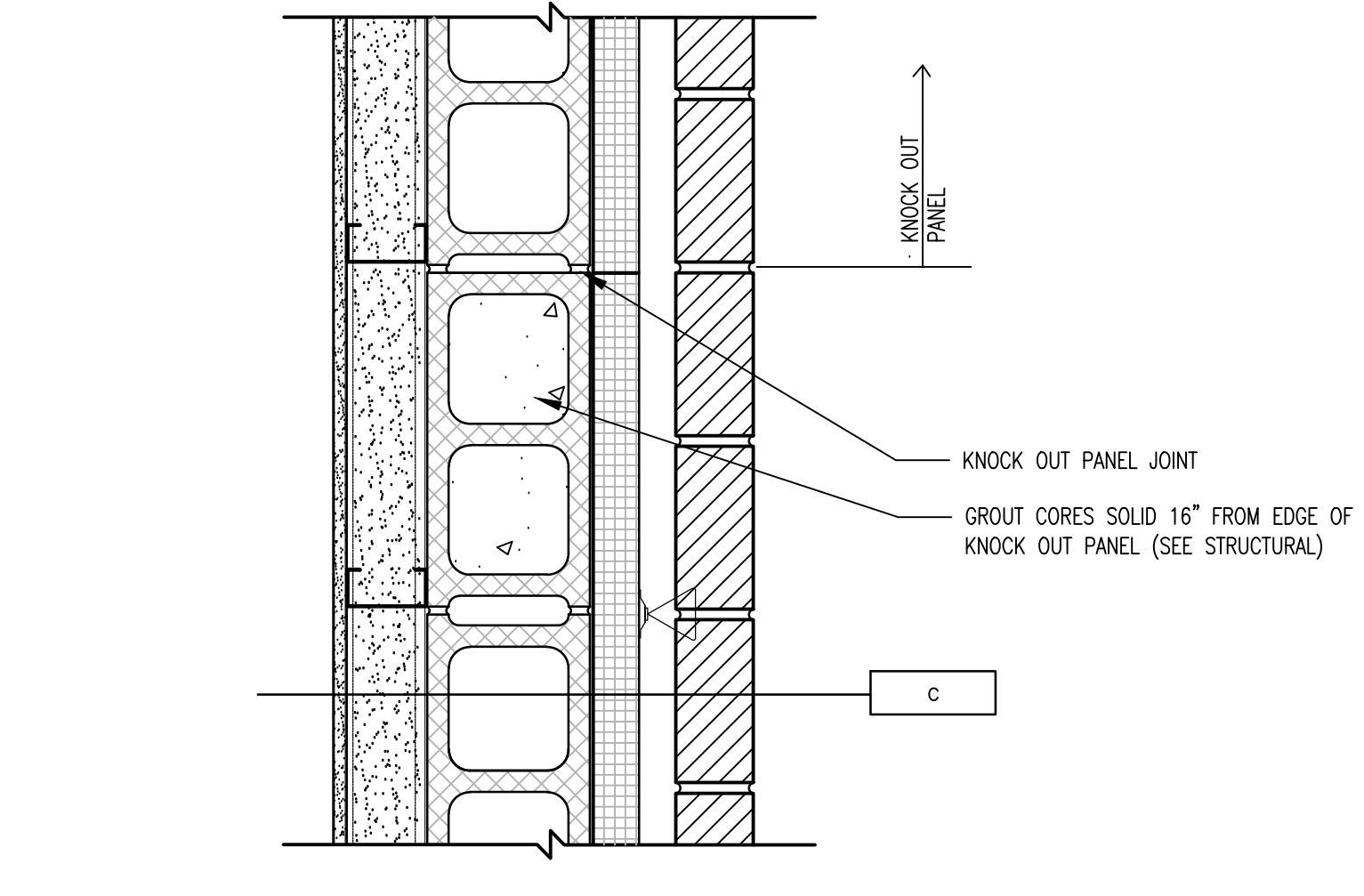
C3
DETAIL @ VESTIBULE DOOR JAMBS
SCALE: 1 1/2" = 1'-0"



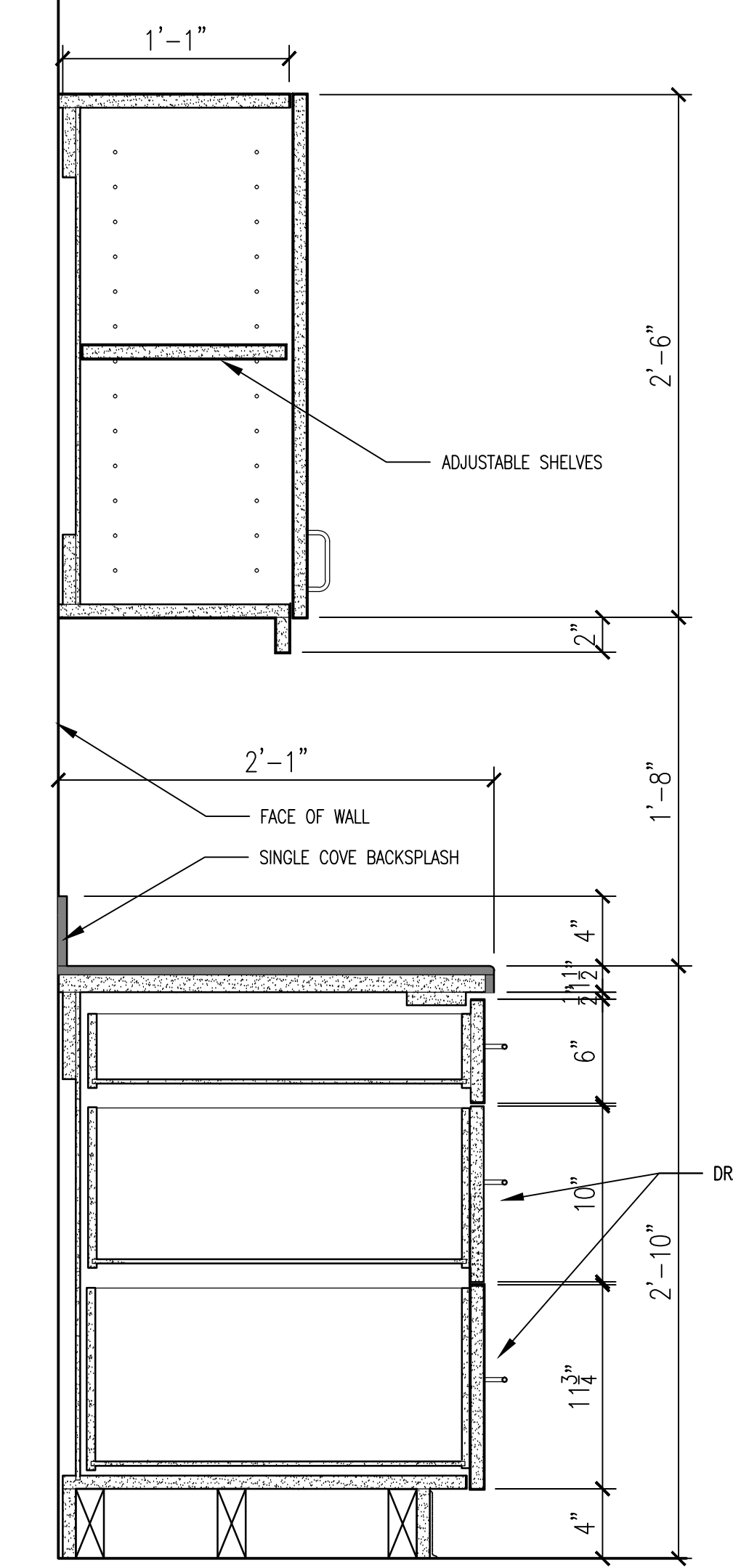
C5
DETAIL @ SOUTH WEST CORNER
SCALE: 1 1/2" = 1'-0"



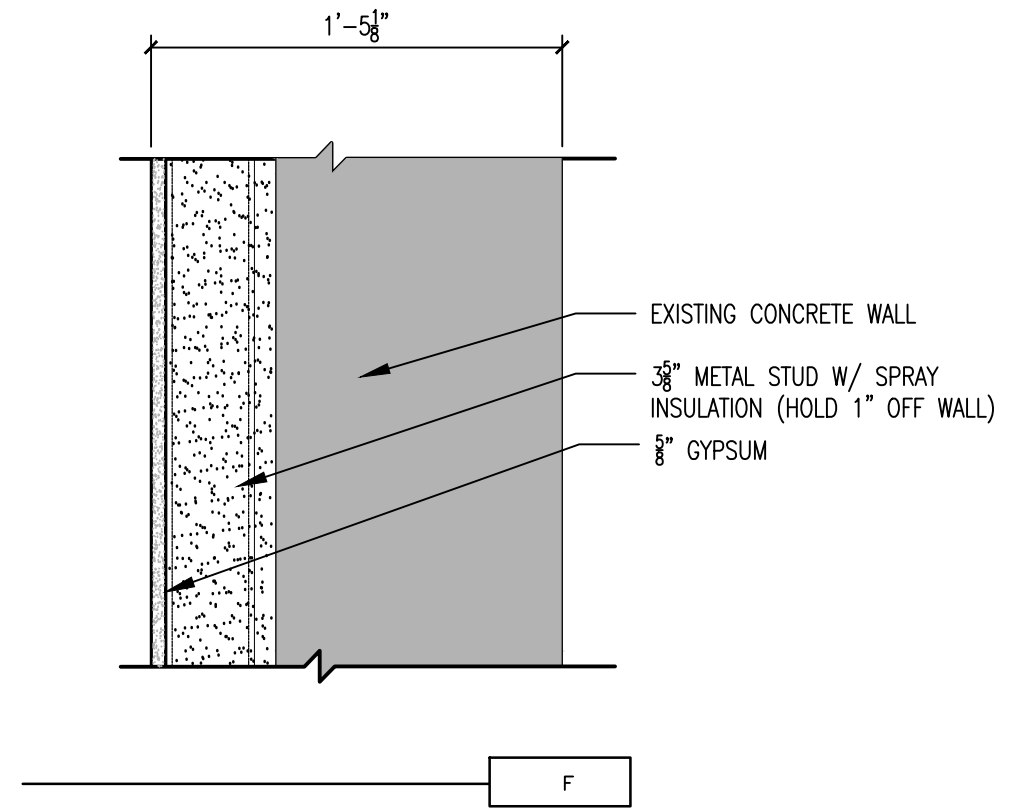
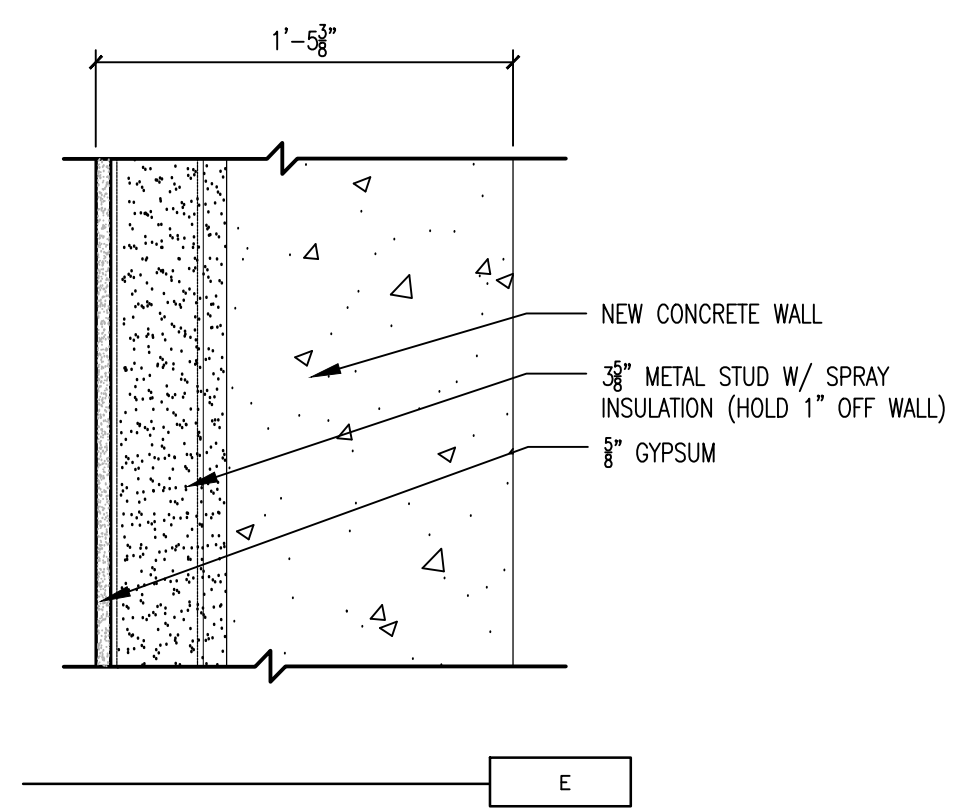
E1
DETAIL @ COLUMN
SCALE: 1 1/2" = 1'-0"



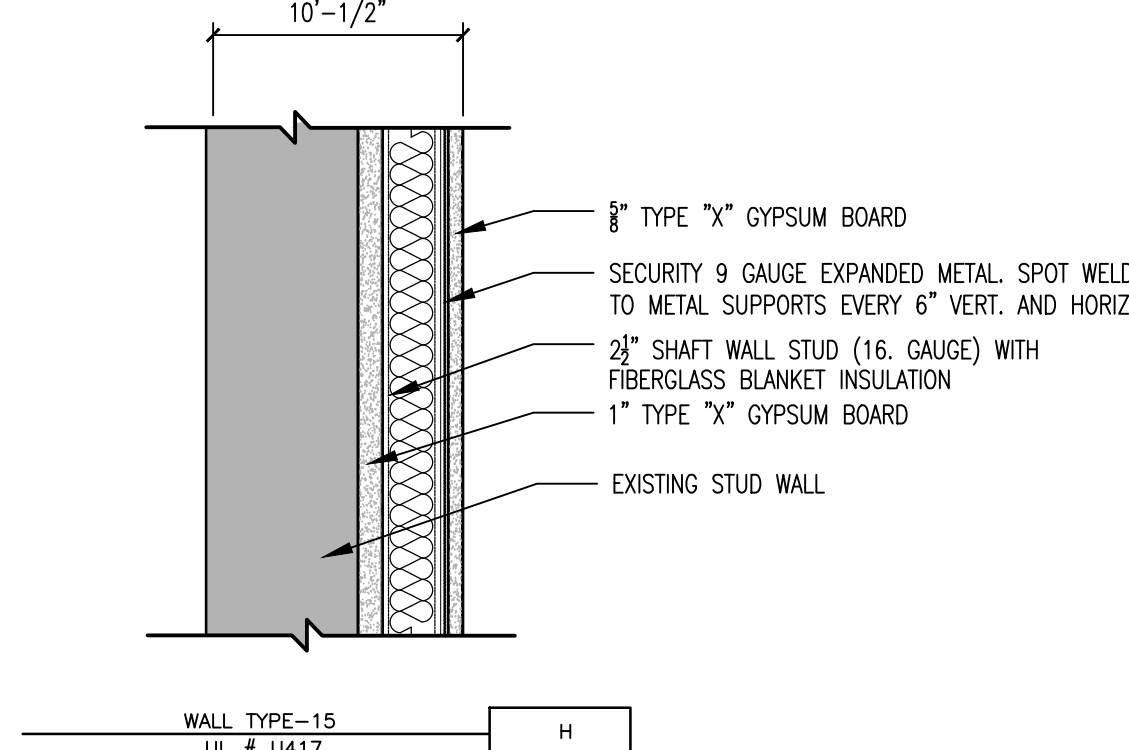
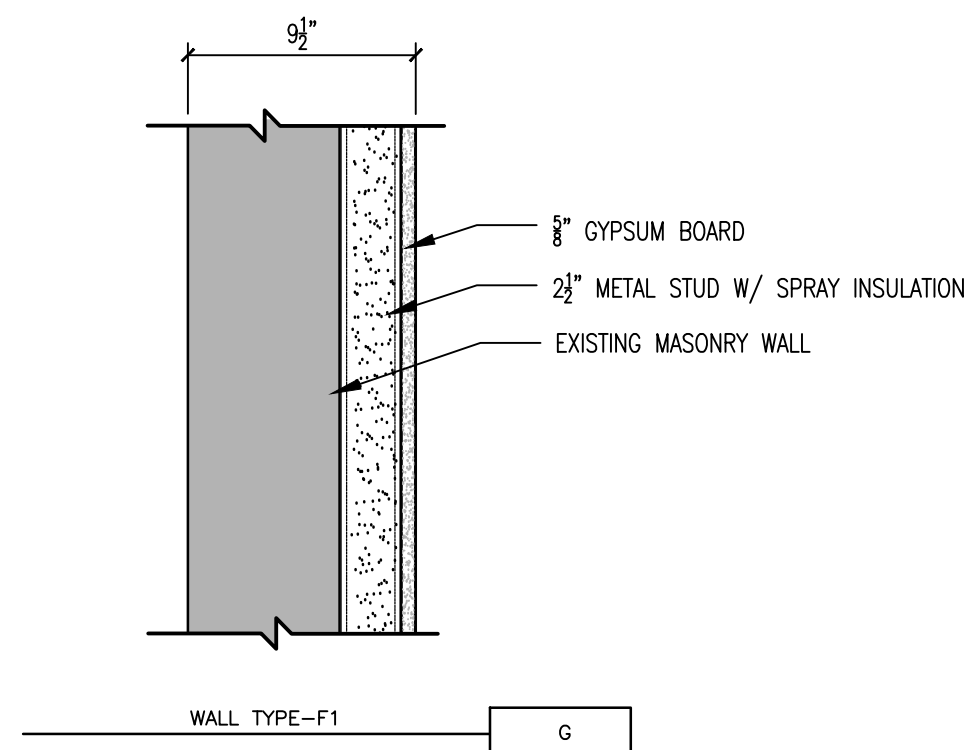
E3
DETAIL @ KNOCK OUT JOINT (OPP OTHER SIDE)
SCALE: 1 1/2" = 1'-0"



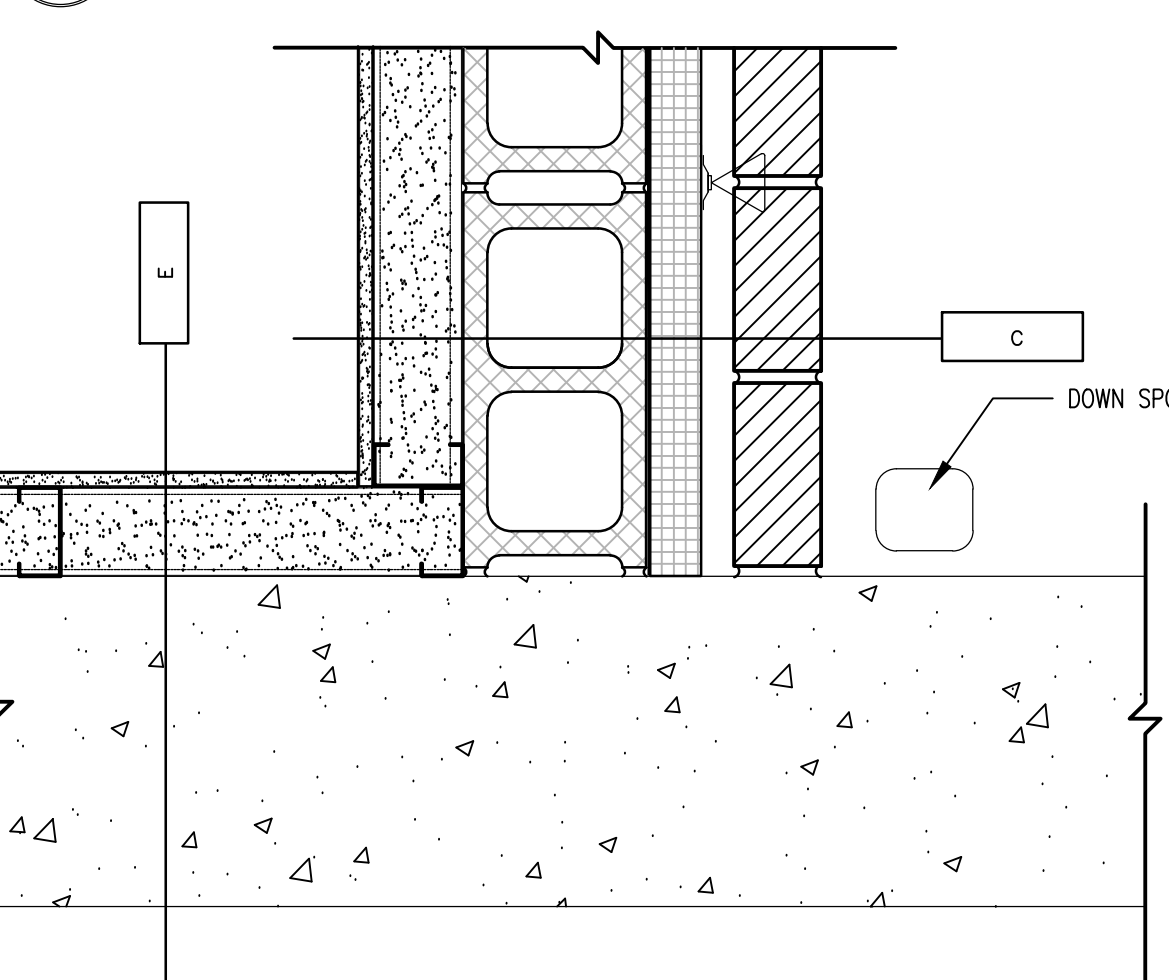
F5
DETAIL @ CASEWORK
SCALE: 1 1/2" = 1'-0"



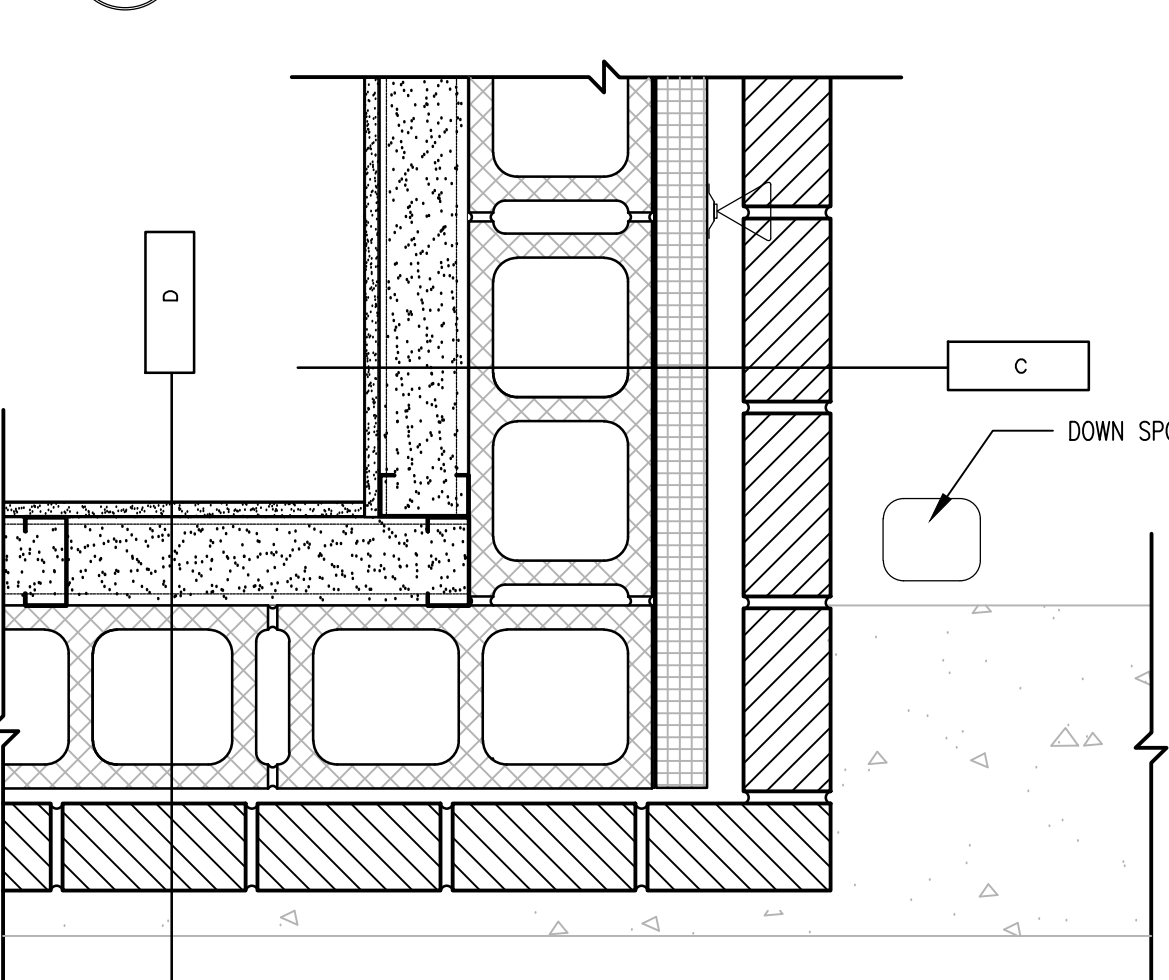
E8
EXTERIOR WALL TYPES
SCALE: 1 1/2" = 1'-0"



F8
INTERIOR WALL TYPES
SCALE: 1 1/2" = 1'-0"

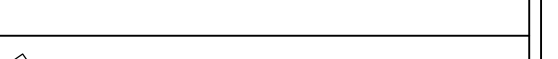
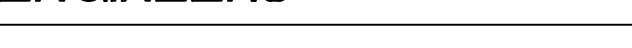



F1
DETAIL @ SOUTH EAST CORNER
SCALE: 1 1/2" = 1'-0"



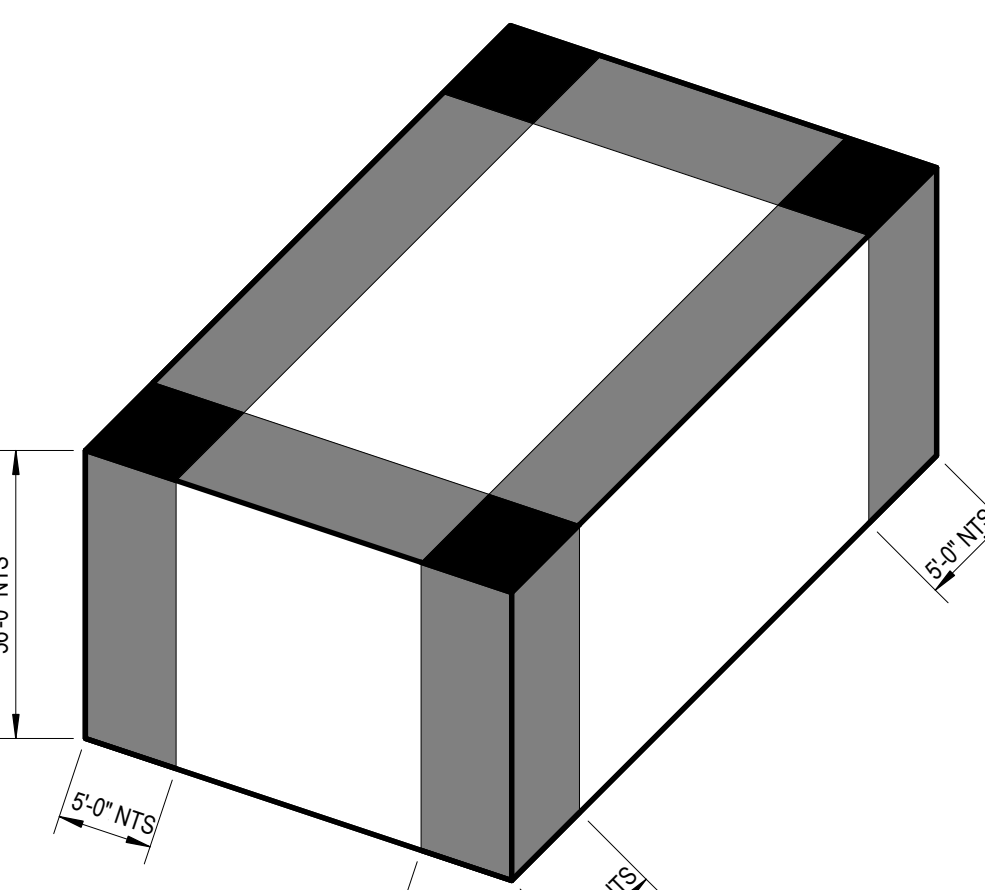
F3
DETAIL @ SOUTH EAST CORNER (ABOVE)
SCALE: 1 1/2" = 1'-0"

100% CONSTRUCTION DOCUMENTS

		CONSULTANTS:		ARCHITECT/ENGINEERS:	<div>13100 watertown plank road suite 200 elm grove, wi 53122</div> <div>p 262.641.0746 f 888.600.6207</div> <div></div>	Drawing Title	Project Title	Project Number	Office of Construction and Facilities Management
						PLAN DETAILS AND WALL TYPES	Middleton VAH Construct Pharmacy Cache	607-13-101	
						Approved Project Director	Location Madison, WI	Building Number 19	
						Date May 13, 2013	Checked SAM	Drawn AJS	
								Drawing Number A601	
Revisions:	Date								 Department of Veterans Affairs

SYMBOLS LIST

- #### ABBREVIATION



FLAT ROOF BUILDING



ROOF PRESSURE TABLE (PSE)

TRIBUTARY AREA (FT ²)	INTERIOR ZONE 1 (PSF)		EDGE ZONE 2 (PSF)		CORNER ZONE 3 (PSF)	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
10	17	-40	17	-70	17	-105
50	16	-40	16	-53	16	-63
100	16	-40	16	-53	16	-63

WALL PRESSURE TABLE (PSF)

TRIBUTARY AREA (FT ²)	INTERIOR ZONE 4 (PSF)		EDGE ZONE 5 (PSF)	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
10	38	-41	38	-51
100	32	-36	32	-40
≥ 500	29	-32	29	-32

PARAPET PRESSURE TABLE (PSF)

TRIBUTARY AREA (FT ²)	CASE A		CASE B	
	INTERIOR ZONE	CORNER ZONE	INTERIOR ZONE	CORNER ZONE
10	96	131	-67	-77
100	65	65	-56	-60
500	61	61	-48	-48

OVERHANGS, CANOPIES, AWNINGS
PRESSURE TABLE (PSF)

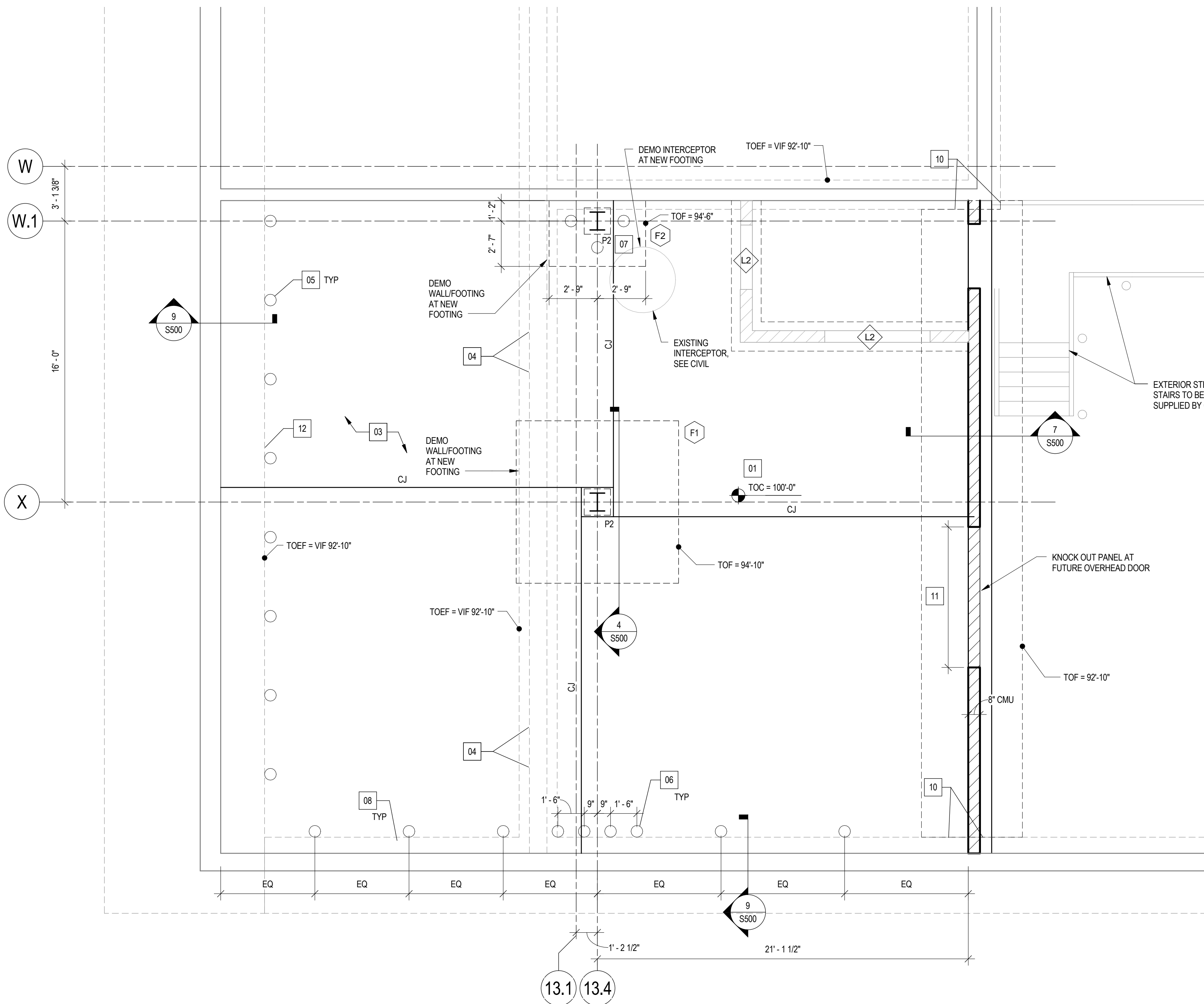
TRIBUTARY AREA (FT ²)	ZONE 1 & 2 (PSF)		ZONE 3 (PSF)	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
10	17	-60	17	-100
50	16	-58	16	-50
≥ 100	16	-56	16	-28

NOTES:

1. POSITIVE AND NEGATIVE VALUES INDICATE WIND PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY.
2. TRIBUTARY AREA IS THE PRODUCT OF SPAN LENGTH MULTIPLIED BY TRIBUTARY WIDTH OF THE ELEMENT UNDER CONSIDERATION. THE TRIBUTARY WIDTH IS THE SMALLER OF ONE THIRD OF THE SPAN OR THE ACTUAL WIDTH OF THE DOOR/WINDOW/WALL.
3. CASE A = PRESSURE TOWARDS BUILDING; CASE B = PRESSURE AWAY FROM BUILDING.

Sheet List	
Sheet Number	Sheet Name
S001	GENERAL NOTES
S100	FOUNDATION AND FRAMING PLANS
S500	FOUNDATION DETAILS
S505	MASONRY DETAILS
S510	STEEL DETAILS
S511	STEEL DETAILS

100% CONSTRUCTION DOCUMENTS

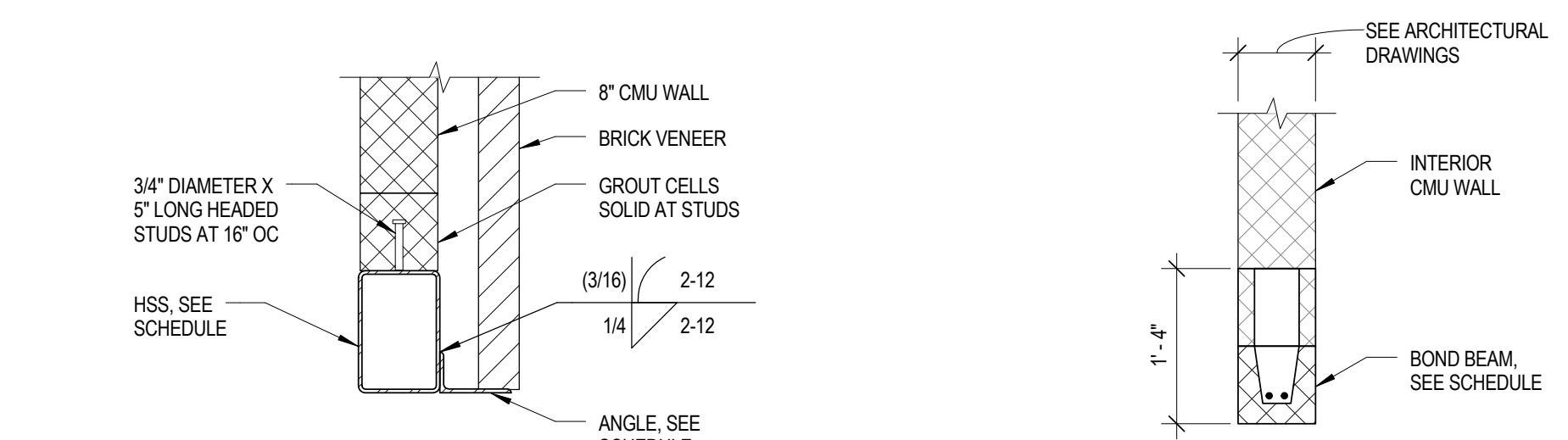


1 FOUNDATION PLAN
1/4" = 1'-0"

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F1	9'-6" x 9'-6" x 1'-9"	(9) #8 E.W. BOTTOM
F2	SEE PLAN x 1'-6"	#8@10" MAX. E.W. BOTTOM

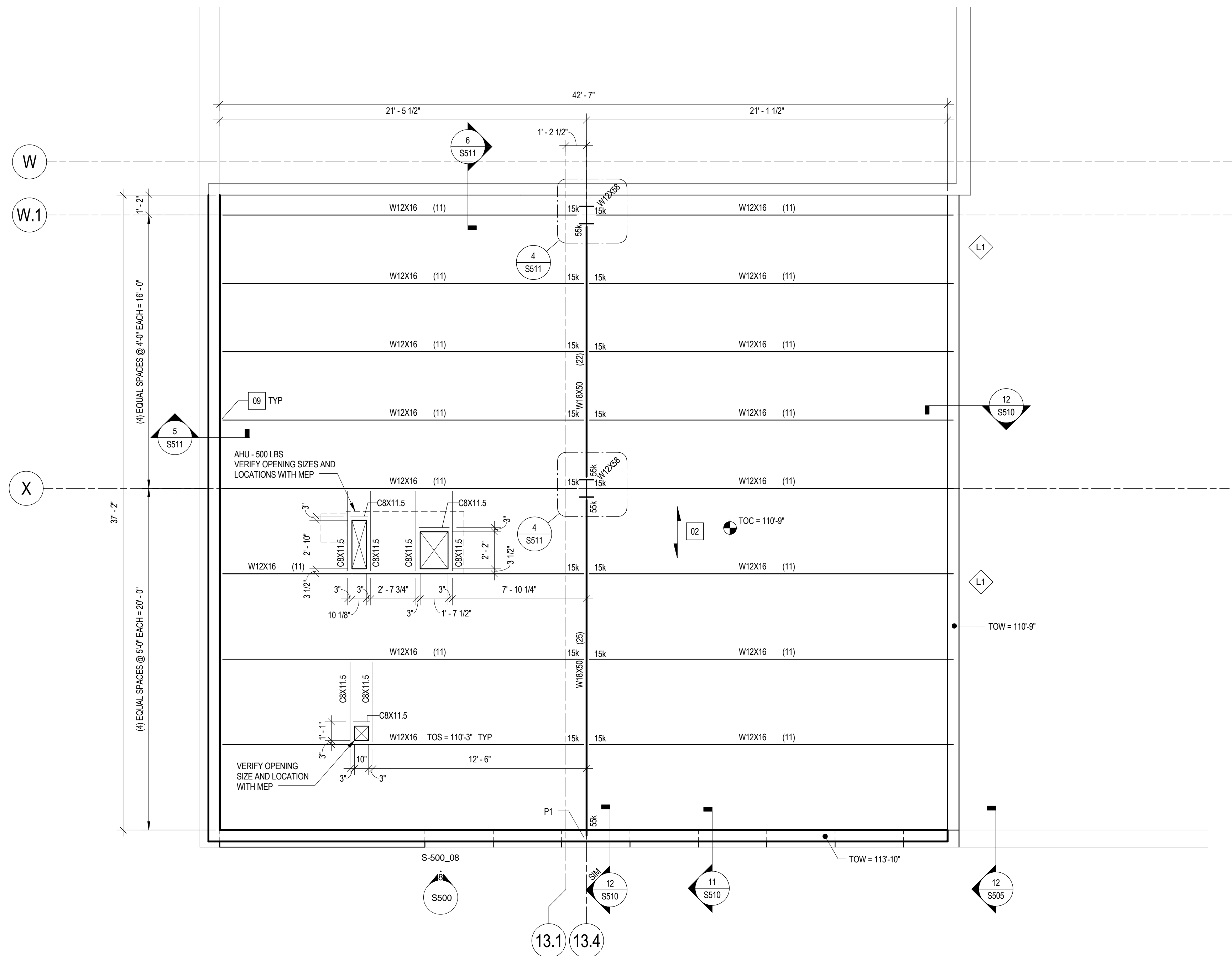
CONCRETE PIER SCHEDULE				
MARK	SIZE	REINFORCING		REMARKS
	W/L	VERTICALS	TIES	
P1	8"x32"	6 - #5	#3@8"	SEE DETAIL 11/S505
P2	18"x18"	8 - #8	#4@12"	SEE DETAIL 10/S500

- L1 = HSS8x8x1/2 WITH L7x4x3/8 AND 16" BEARING EACH SIDE. SEE DETAIL 3/S100.
L2 = 16" DEEP BOND BEAM WITH (2) #5 BOTTOM BARS. SEE DETAIL 4/S100.



3 DETAIL
3/4" = 1'-0"




4 DETAIL
3/4" = 1'-0"



2 ROOF LEVEL FRAMING PLAN
1/4" = 1'-0"

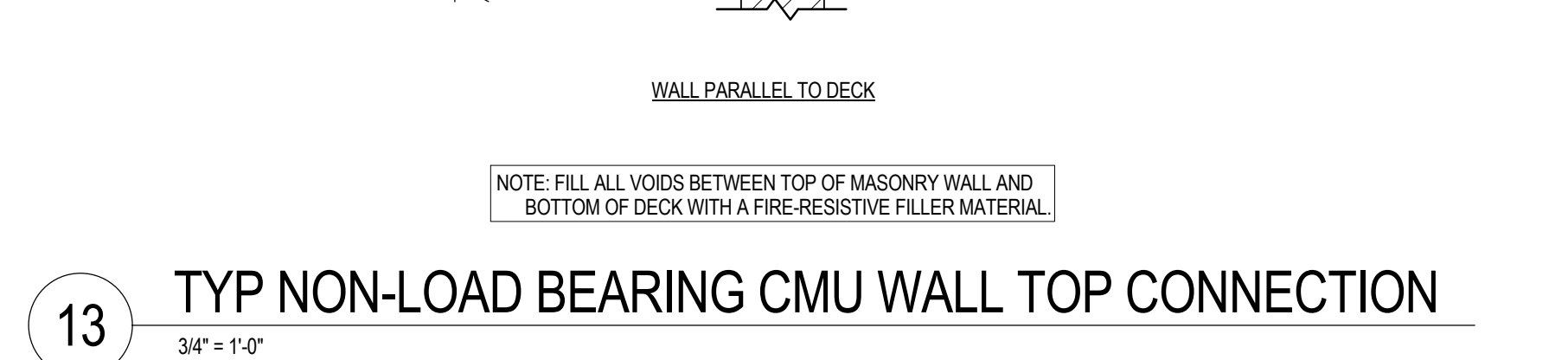
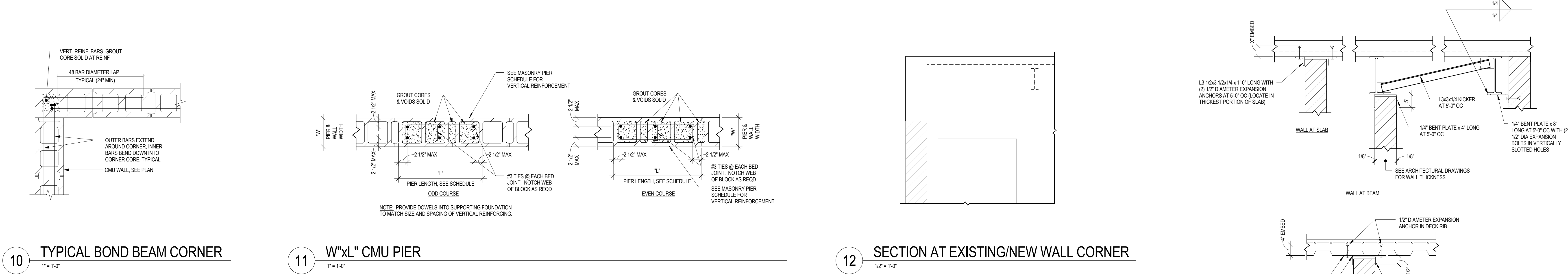
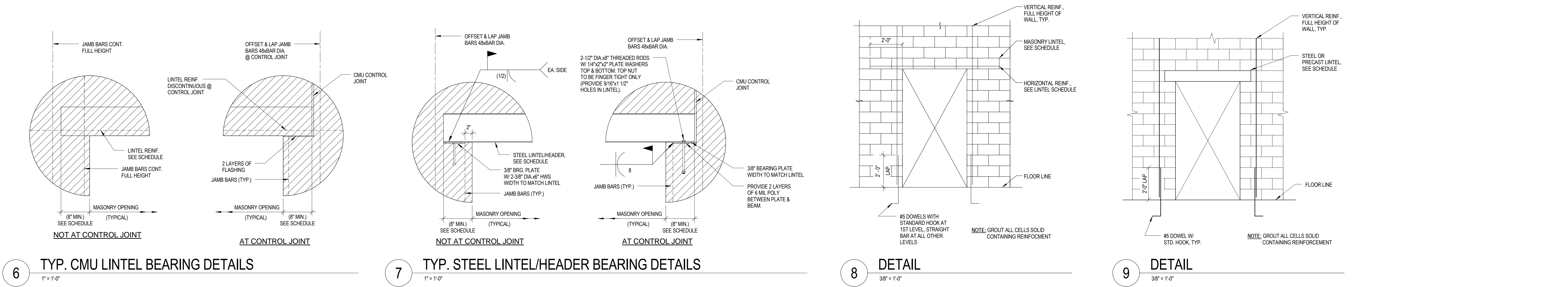
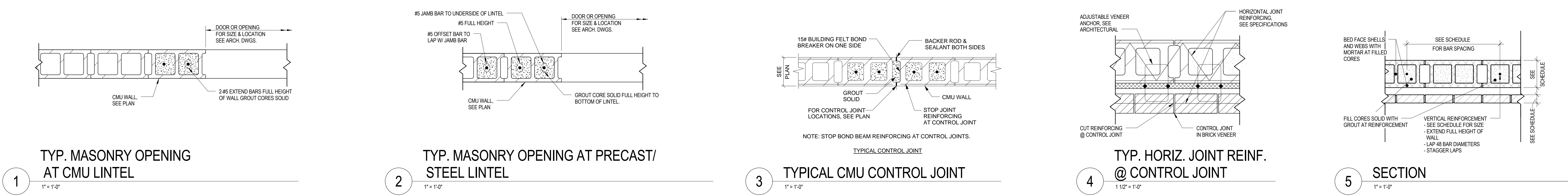
KEYNOTES	
01	5" CONCRETE SLAB ON GRADE, REINFORCED WITH POLY PROPYLENE FIBERS (1.5 LB/CU YARD FIBER REINFORCEMENT). TOP OF SLAB ELEVATION = 100'-0" UNLESS NOTED OTHERWISE ON PLAN. PROVIDE VAPOR BARRIER UNDER SLAB ON GRADE, UNO.
02	TYPICAL COMPOSITE SLAB ON METAL DECK = 4 1/2" NW CONCRETE OVER 1 1/2" x 18 GAGE COMPOSITE METAL DECK (6" TOTAL THICKNESS). REINFORCE WITH 6x6-W2.1XW2.1 WELDED WIRE FABRIC.
03	CAREFULLY DEMOLISH THE EXISTING SLAB ON GRADE FOR THE INSTALLATION OF THE NEW SLAB ON GRADE WITH A VAPOR BARRIER.
04	CAREFULLY DEMOLISH THE TOP OF THE EXISTING CONCRETE WALL TO ALLOW FOR THE INSTALLATION OF THE NEW FOOTINGS AND SLAB ON GRADE WITH VAPOR BARRIER.
05	PROVIDE HELICAL ANCHORS OR MICROPILE UNDER EACH BEAM ABOVE. HELICAL ANCHOR OR MICROPILE SHALL BE DESIGNED BY SUPPLIER TO SUPPORT 30 KIPS (UNFACTORED) DOWNWARD FORCES. CONTRACTOR PERFORMING THIS WORK SHALL SUMIT WRITTEN VERIFICATION TO RESIDENT ENGINEER CERTIFYING A MINIMUM OF 5 YEARS OF EXPERIENCE IN THIS TYPE OF WORK.
06	PROVIDE AT LEAST FOUR HELICAL ANCHORS OR MICROPILE UNDER GIRDER ABOVE. HELICAL ANCHORS OR MICROPILE SHALL BE DESIGNED BY SUPPLIER TO SUPPORT A TOTAL OF 105 KIPS (UNFACTORED) DOWNWARD FORCES. CONTRACTOR PERFORMING THIS WORK SHALL SUMIT WRITTEN VERIFICATION TO RESIDENT ENGINEER CERTIFYING A MINIMUM OF 5 YEARS OF EXPERIENCE IN THIS TYPE OF WORK.
07	PROVIDE AT LEAST THREE HELICAL ANCHORS OR MICROPILE UNDER GIRDER ABOVE. HELICAL ANCHORS OR MICROPILE SHALL BE DESIGNED BY SUPPLIER TO SUPPORT A TOTAL OF 105 KIPS (UNFACTORED) DOWNWARD FORCES. CONTRACTOR PERFORMING THIS WORK SHALL SUMIT WRITTEN VERIFICATION TO RESIDENT ENGINEER CERTIFYING A MINIMUM OF 5 YEARS OF EXPERIENCE IN THIS TYPE OF WORK.
08	PROVIDE HELICAL ANCHORS OR MICROPILE. HELICAL ANCHORS OR MICROPILE SHALL BE DESIGNED BY SUPPLIER TO SUPPORT 10 KIPS (UNFACTORED) DOWNWARD FORCES. CONTRACTOR PERFORMING THIS WORK SHALL SUMIT WRITTEN VERIFICATION TO RESIDENT ENGINEER CERTIFYING A MINIMUM OF 5 YEARS OF EXPERIENCE IN THIS TYPE OF WORK.
09	PROVIDE DOUBLE ANGLE CONNECTION TO EXISTING WALL AT EACH BEAM. SEE DETAIL 5/S511.
10	DOWEL #5 x 2'-8" @ 12" OC INTO EXISTING CONCRETE WALL AND FOOTING.
11	PROVIDE 1" DIA x 1'-4" SMOOTH DOWEL AT 12" OC AT OVERHEAD DOOR. GREASE SIDE INTO SLAB ON GRADE. SHIFT THERMAL BREAK AS SHOWN BY ARCHITECTURAL DRAWINGS.
12	IF MICRO PILES ARE UTILIZED, THE REINFORCEMENT AND CONCRETE ABOVE THE FOOTING SHOWN ON 9/S500 WILL NOT BE REQUIRED. THE CONTRACTOR SHALL SUBMIT A DETAIL SHOWING CORING AND INSTALLATION THROUGH THE TOP OF THE FOOTING AT THE WALL FACE.

100% CONSTRUCTION DOCUMENTS

<div>CONSULTANTS</div> <div><div>5126 W. Terrace Drive Suite 111 Madison, WI 53718-8343 608 / 242 1550 608 / 242 0787 fax www.graef-usa.com</div></div>	<div>ARCHITECT/ ENGINEERS:</div> <div><div>13100 watertown plank road suite 200 elm grove, wi 53122 p 262.641.0746 f 262.641.0584</div><div><div>N8 W22195 JOHNSON DR STE 180 WAUKESHA, WI 53186 262.549.1190 262.549.1620 fx</div></div></div>	<div>Drawing Title:</div> <div>FOUNDATION AND FRAMING PLANS</div>	<div>Project Title</div> <div>Middleton VAH Construct Pharmacy Cache</div>	<div>Project Number</div> <div>607-13-101</div>	<div>Building Number</div> <div>19</div>	<div>Drawing Number:</div> <div>S100</div>	<div>Dwg. of</div>	<div>Department of Veterans Affairs</div>					
<div>Revisions</div> <table><tr><td>Date</td><td></td></tr></table>	Date		<div>Date</div> <table><tr><td>May 13, 2013</td><td>BS</td><td>KN</td></tr></table>	May 13, 2013	BS	KN	<div>Checked</div> <div>BS</div>	<div>Drawn</div> <div>KN</div>	<div>Location</div> <div>Madison, WI</div>	<div>Location</div> <div>Madison, WI</div>	<div>Location</div> <div>Madison, WI</div>	<div>Location</div> <div>Madison, WI</div>	<div>Location</div> <div>Madison, WI</div>
Date													
May 13, 2013	BS	KN											

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one and one half inches = one foot
one inch = one foot
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one eighth inch = one foot

A
B
C
D
E
F

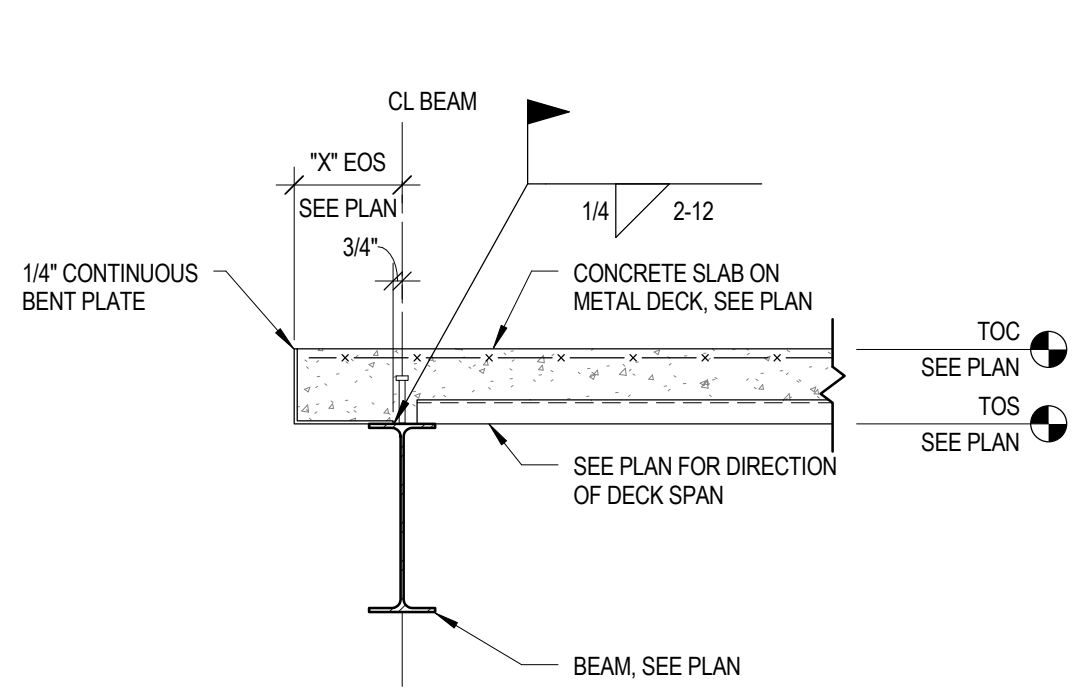


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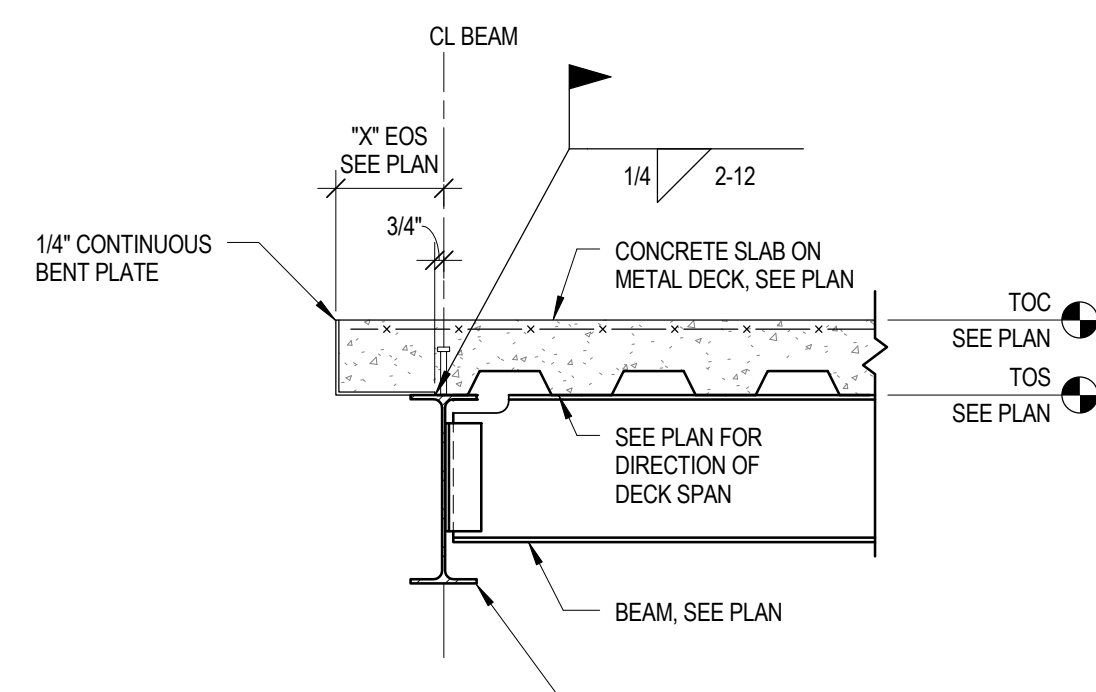
Revisions		Date		CONSULTANTS		ARCHITECT/ ENGINEERS:		Drawing Title:		Project Title		Project Number			
				GRAEF		mangel architects		MASONRY DETAILS		Middleton VAH Construct Pharmacy Cache		607-13-101			
				5126 W. Terrace Drive Suite 111 Madison, WI 53718-8343 608 / 242 1550 608 / 242 0787 fax www.graef-usa.com		13100 watertown plank road STE 180 elm grove, wi 53122 p 262.641.0746 f 262.641.0584		Approved: Project Director		Location Madison, WI		Building Number 19			
						N8 W22195 JOHNSON DR STE 180 WAUKESHA, WI 53186 262.549.1190 262.549.1620 fx				Date May 13, 2013		Checked BS		Drawn KN	
						IBC ENGINEERING SERVICES, INC.						Drawing Number: S505		Dwg. of	
														Department of Veterans Affairs	

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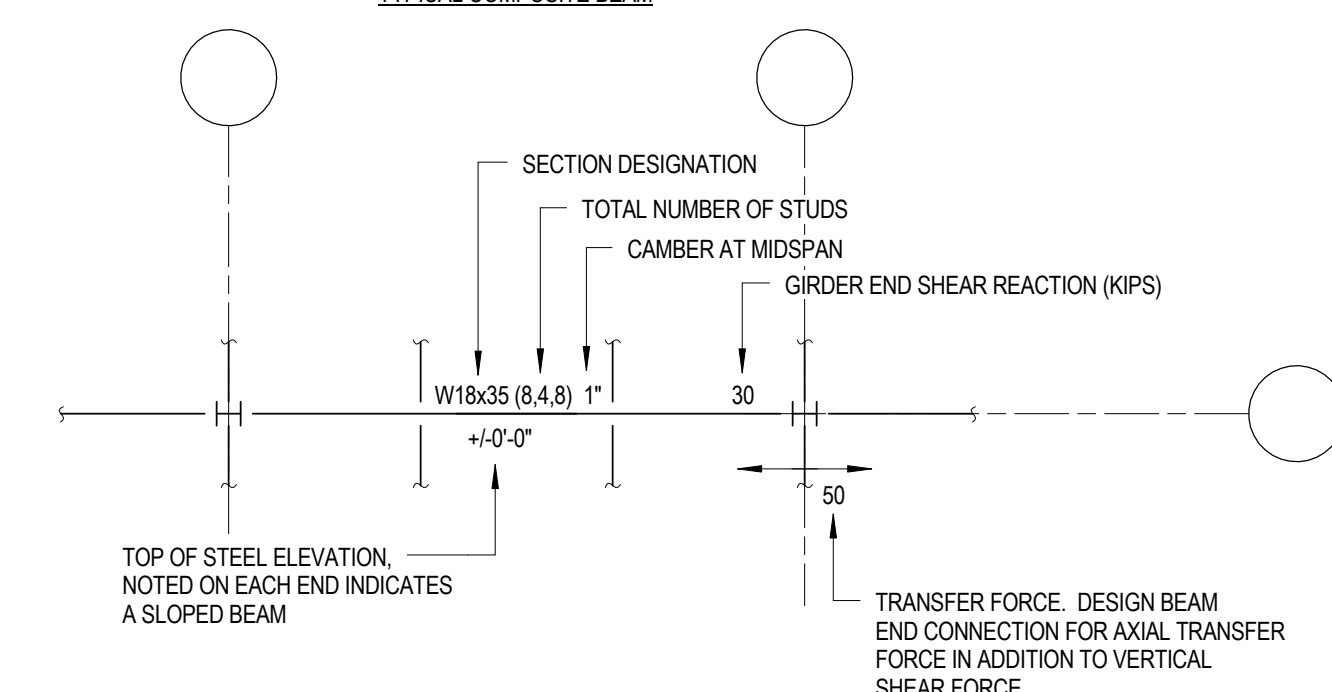
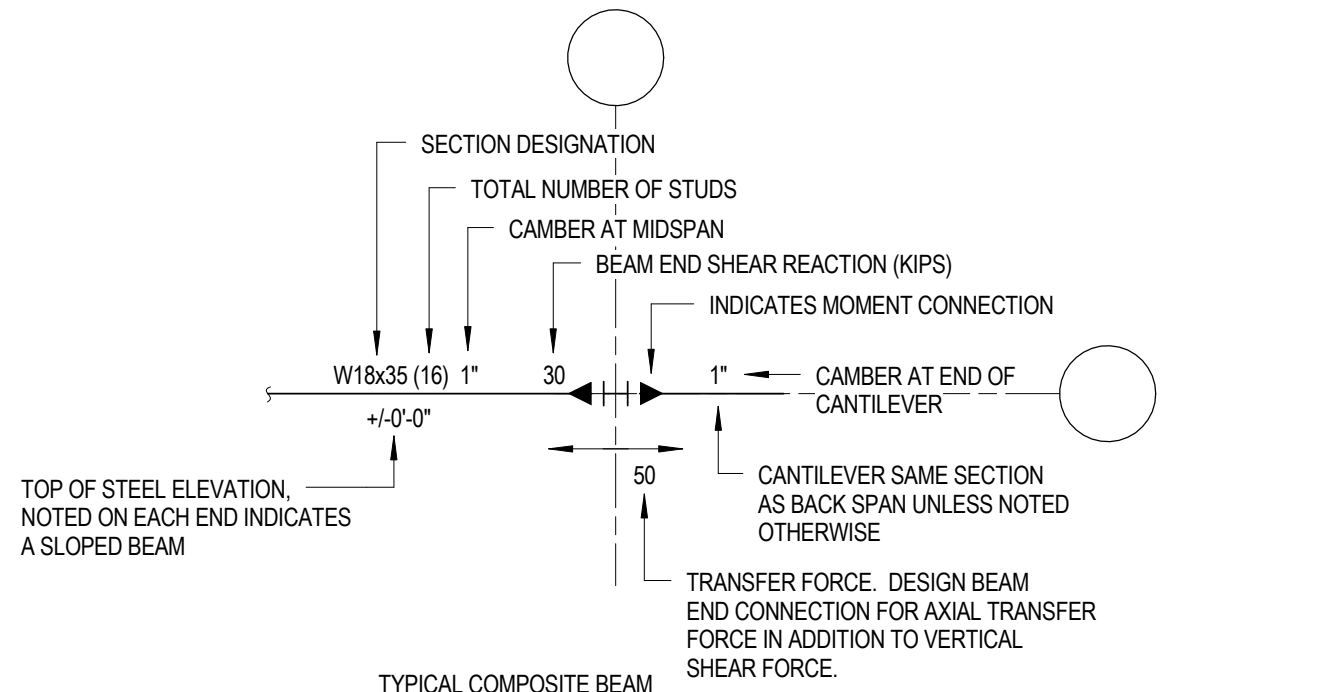
A
B
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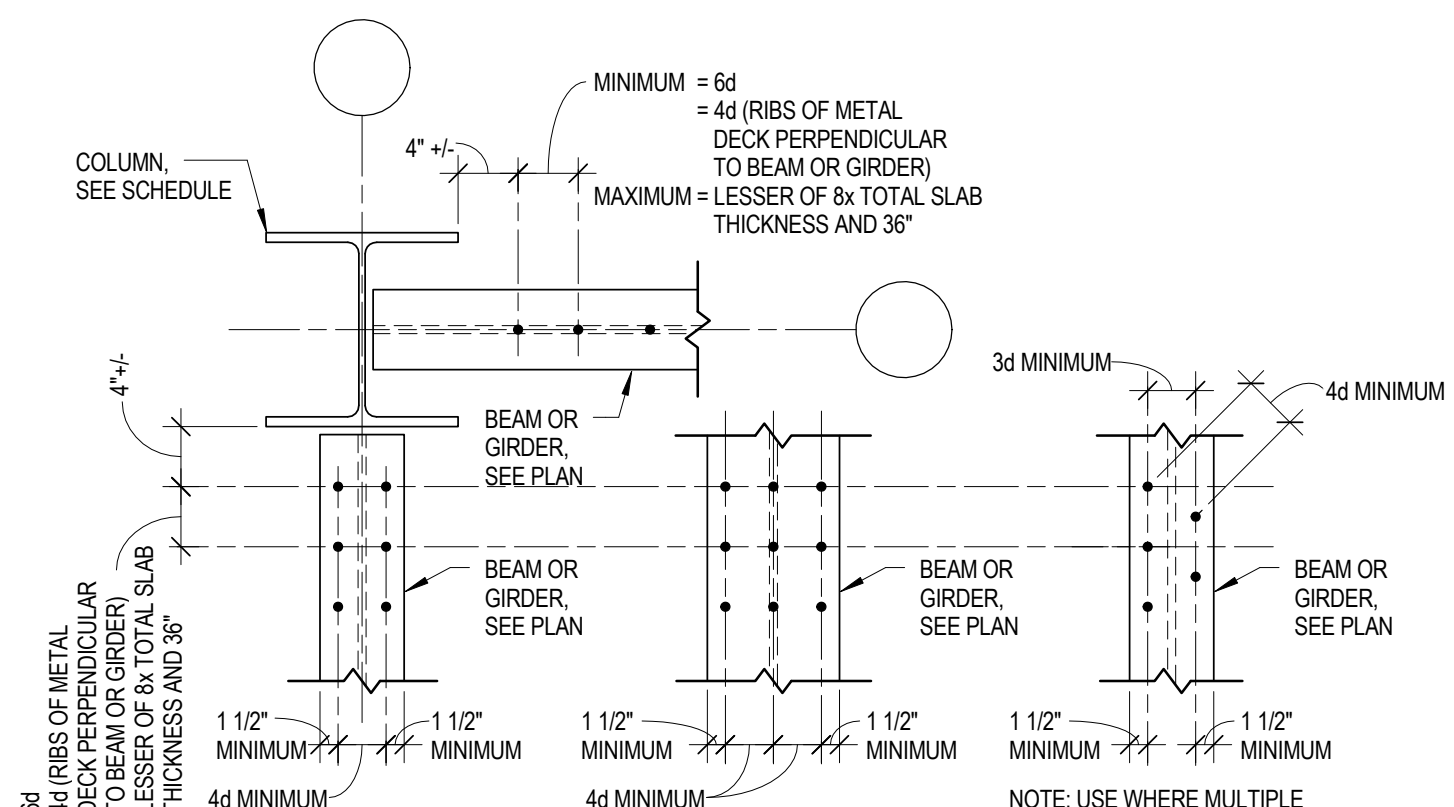
NOTES:
1. DETAIL DOES NOT APPLY WHERE PRECAST CONCRETE, CMU, OR OTHER GRAVITY LOAD IS SUPPORTED AT SLAB EDGE. REFER TO PLANS FOR ADDITIONAL SECTIONS.



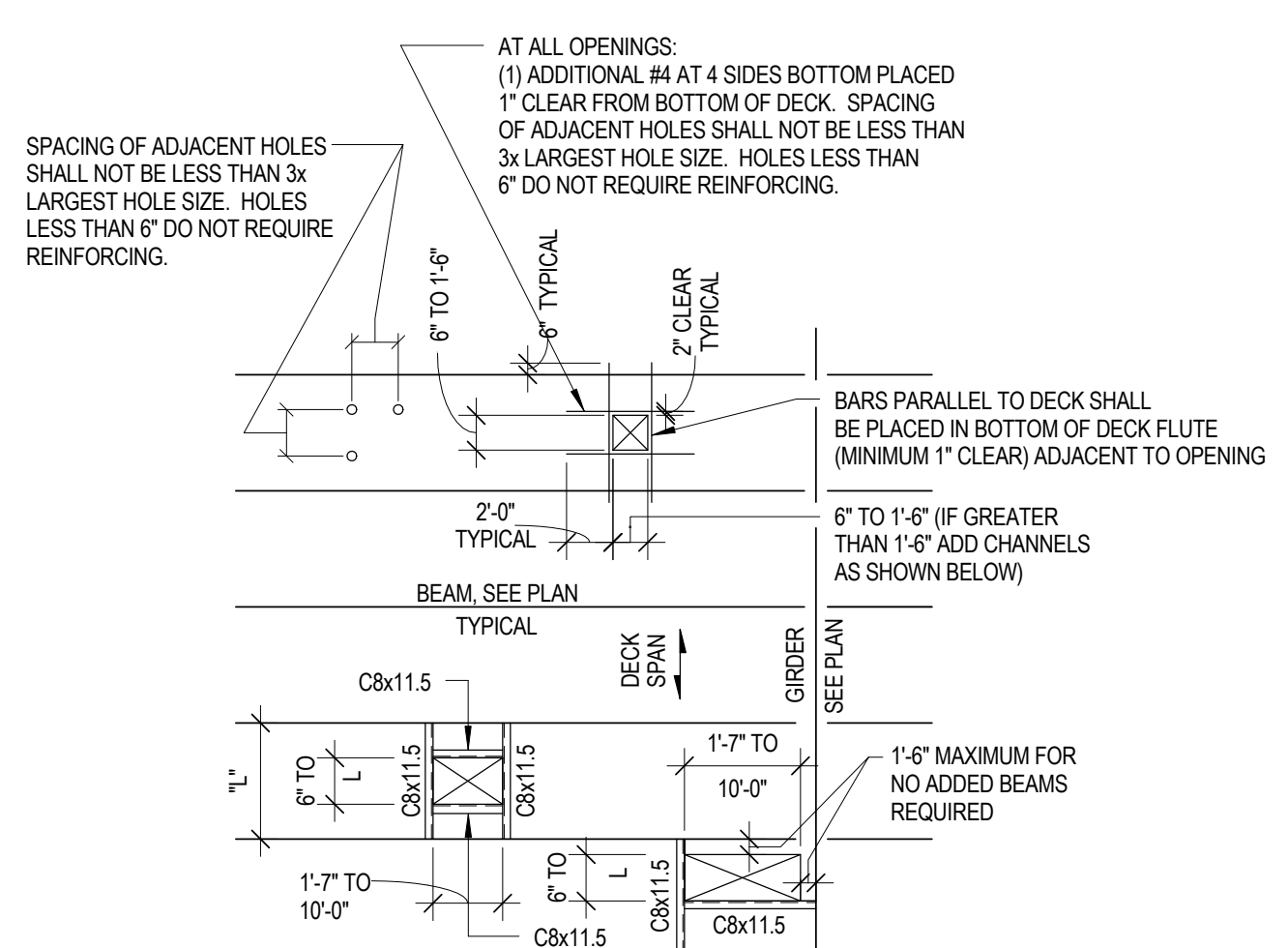
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1. DETAIL DOES NOT APPLY WHERE PRECAST CONCRETE, CMU, OR OTHER GRAVITY LOAD IS SUPPORTED AT SLAB EDGE. REFER TO PLANS FOR ADDITIONAL SECTIONS.



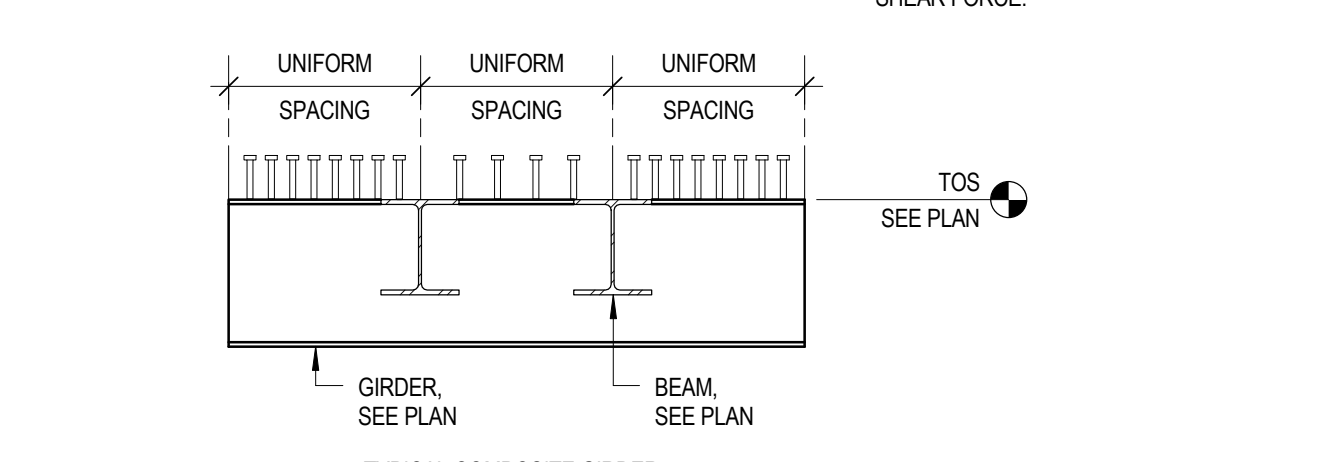
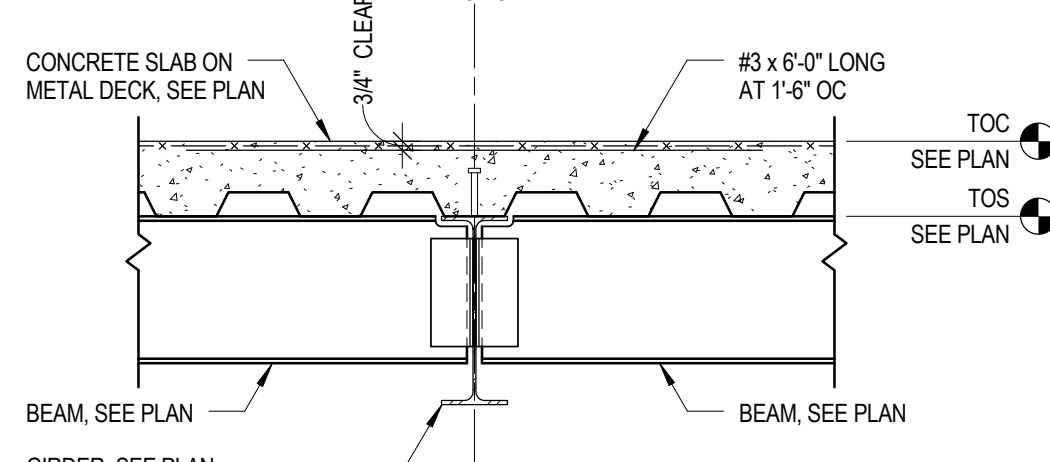
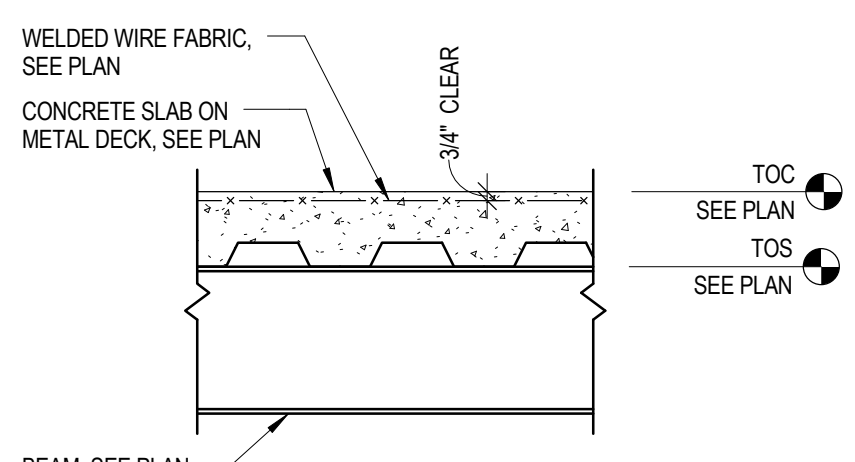
NOTES:
1. PROVIDE CONNECTION DESIGN BASED ON END REACTIONS AND TYPE OF CONNECTION INDICATED ON THE DRAWINGS. END REACTIONS SHOWN ON THE DRAWINGS ARE WORKING LOADS. IF THE FABRICATOR DESIGNS CONNECTIONS USING LRFD A 1.5 LOAD FACTOR SHALL BE USED.
2. MINIMUM NUMBER OF BOLTS ARE AS FOLLOWS UNLESS MORE ARE REQUIRED PER NOTE 1:
1. W8, W10, OR W12: 2 3. W18 OR W21: 4 5. W30 OR W33: 6
2. W14 OR W16: 3 4. W24 OR W27: 5 6. V26: 7



NOTES:
1. ALL STUDS ARE: 3/4\"/>

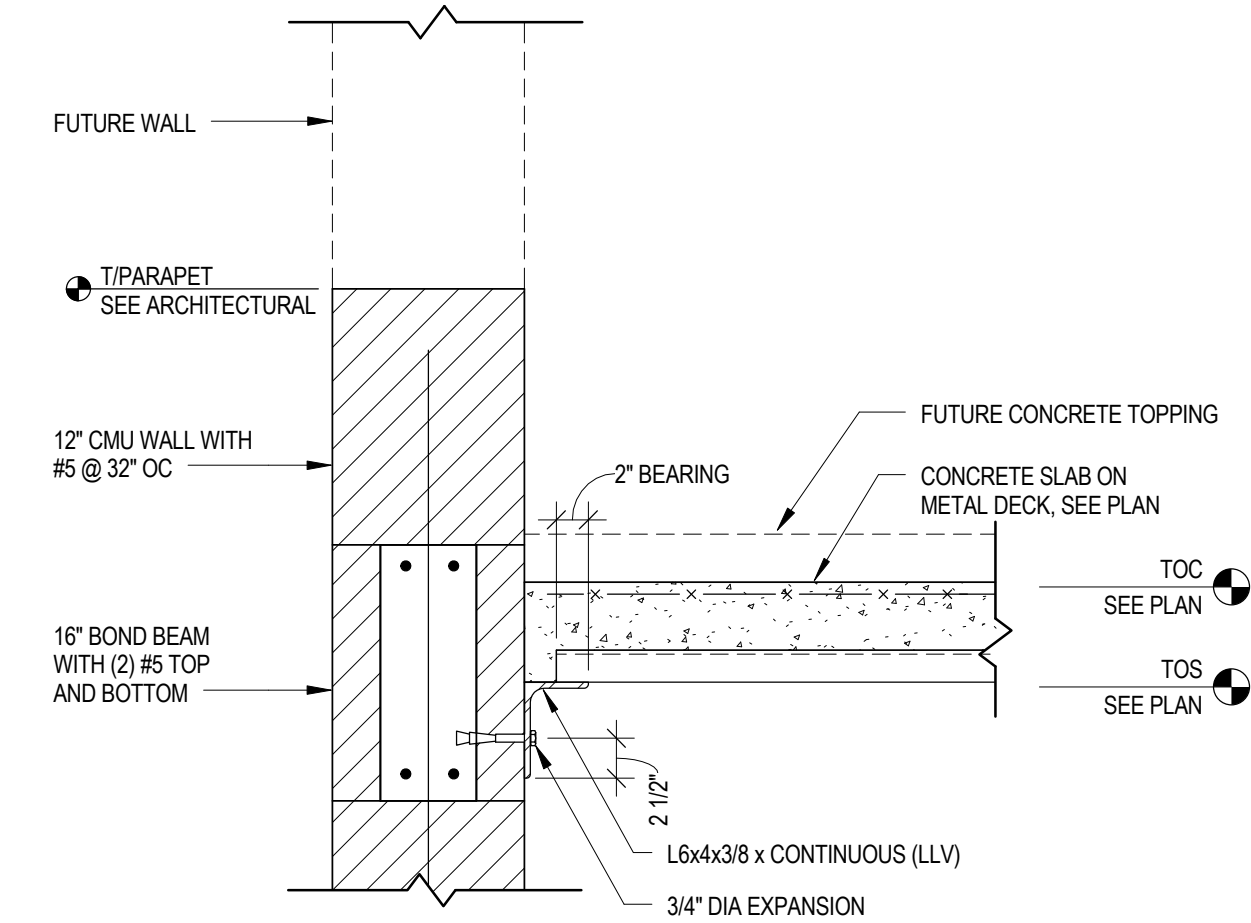


NOTES:
1. BLOCK OUT OPENING BEFORE PLACING CONCRETE. REMOVE BLOCKOUT AND CUT DECK AT UNFRAINED OPENINGS AFTER CONCRETE HAS CURED.
2. CONTRACTOR SHALL COORDINATE SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS AND ARCHITECTURAL DRAWINGS.

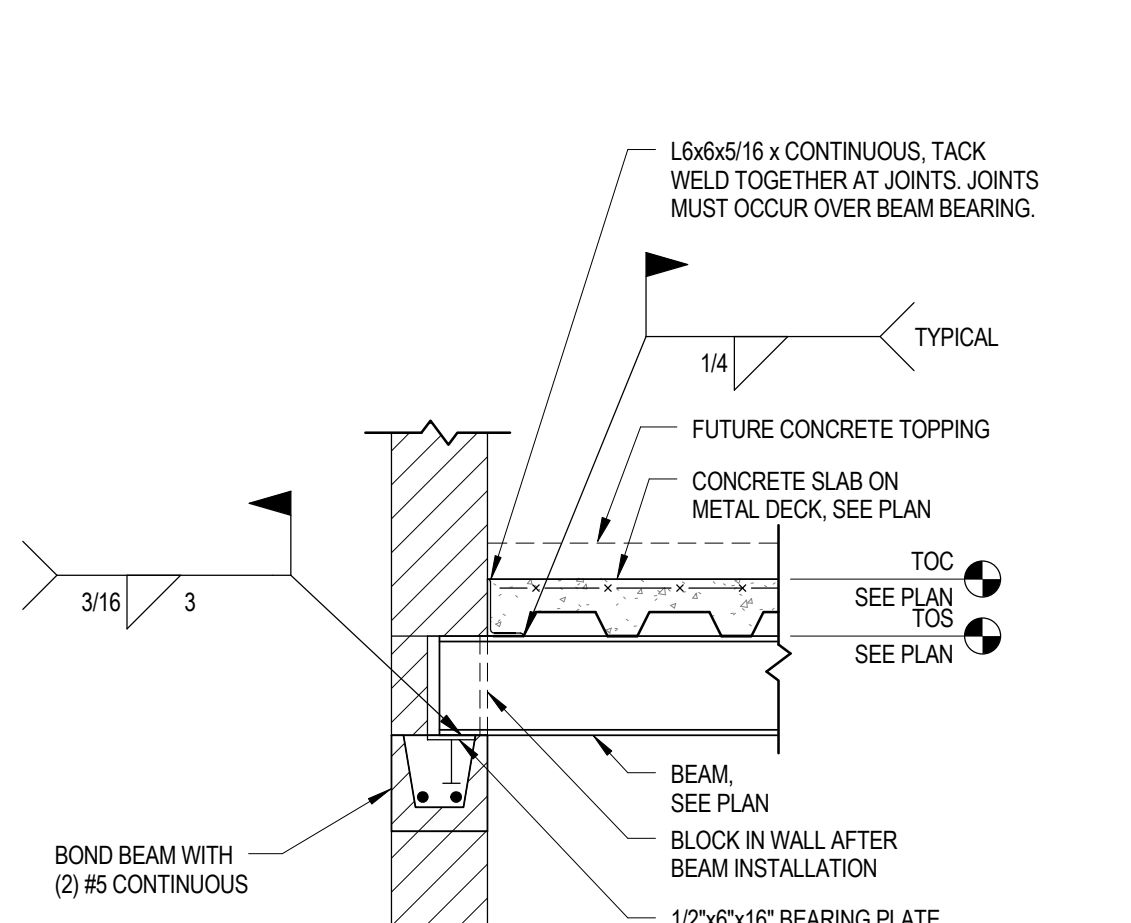


4 DETAIL
3/4\"/>

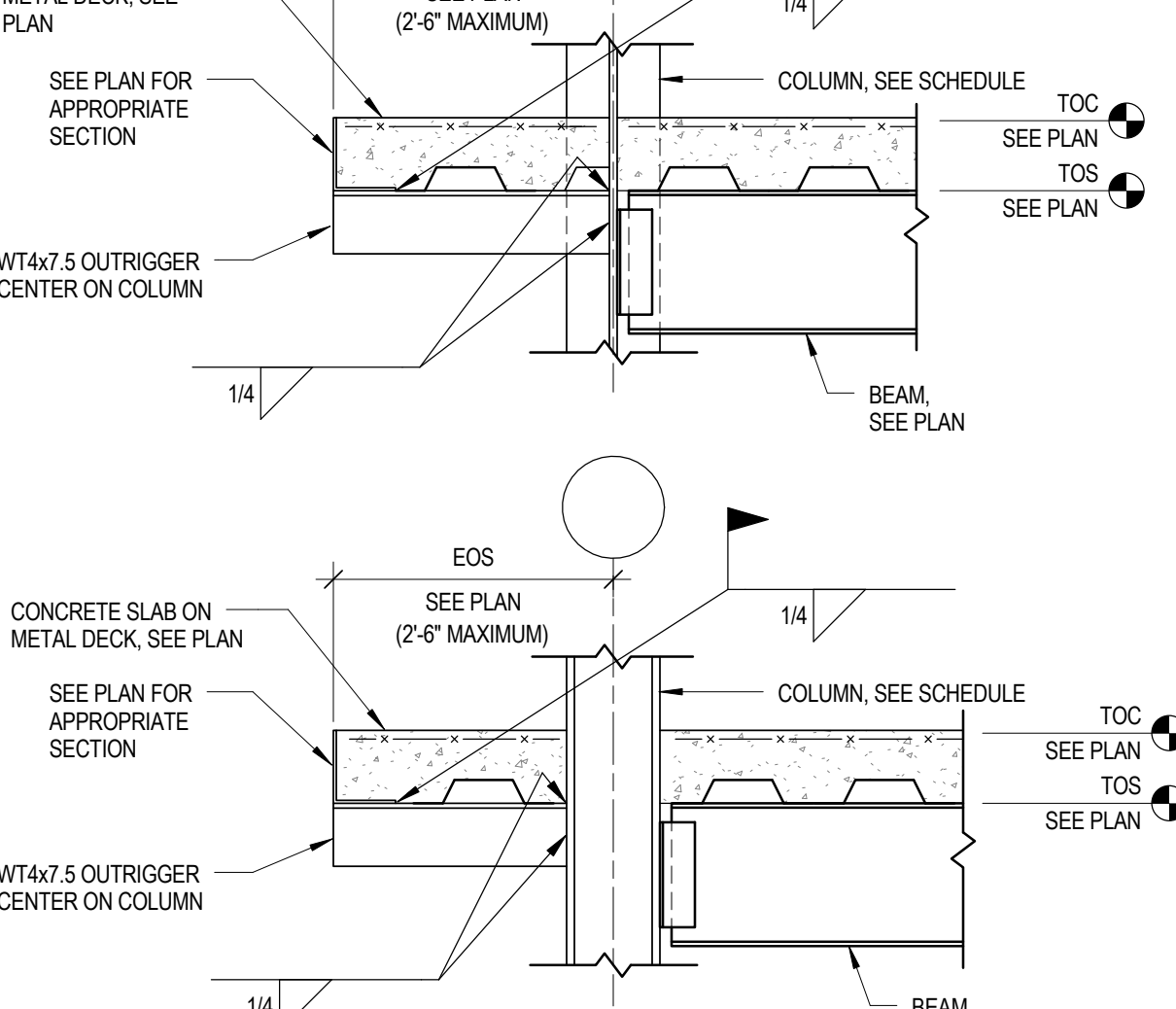
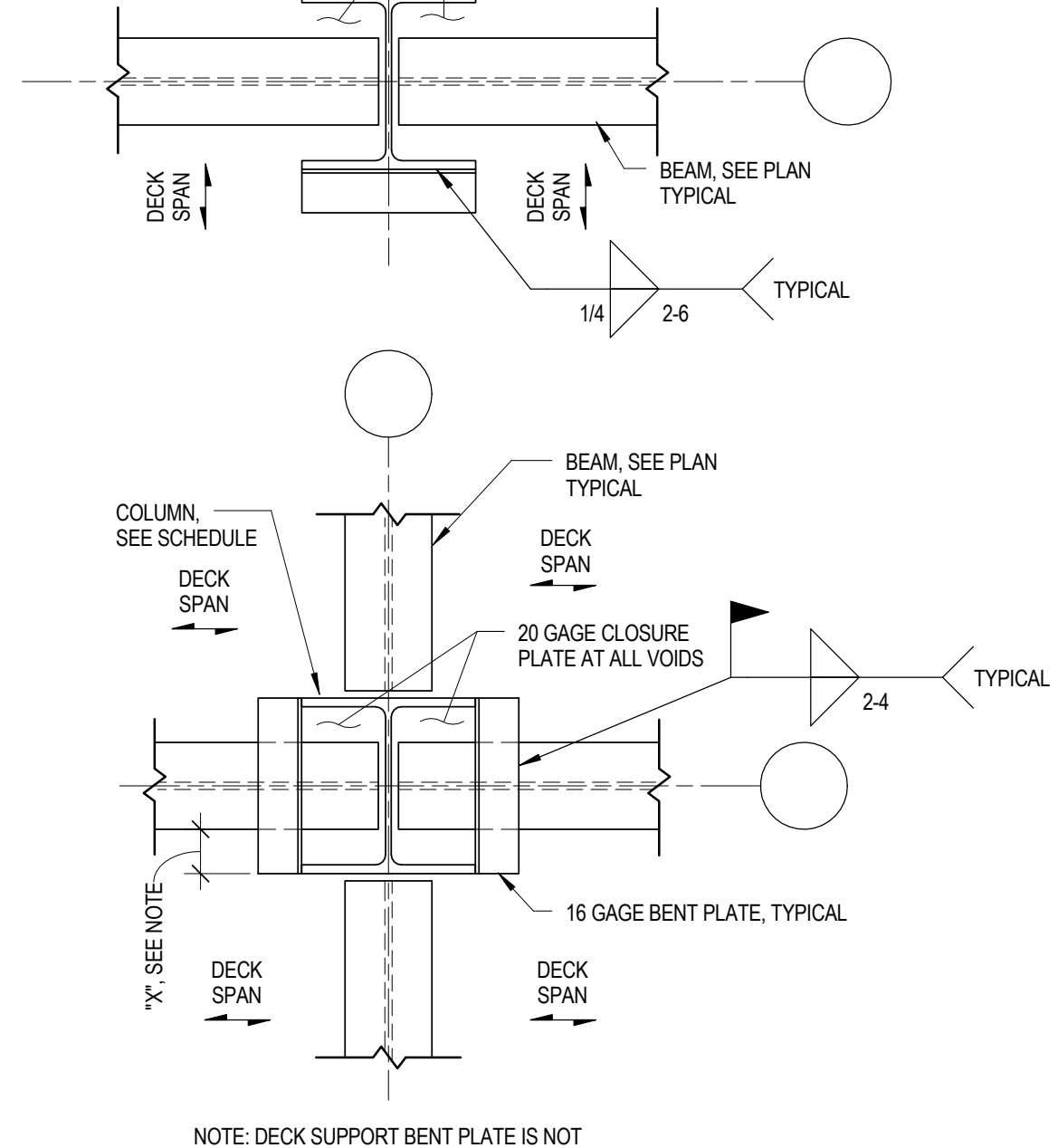
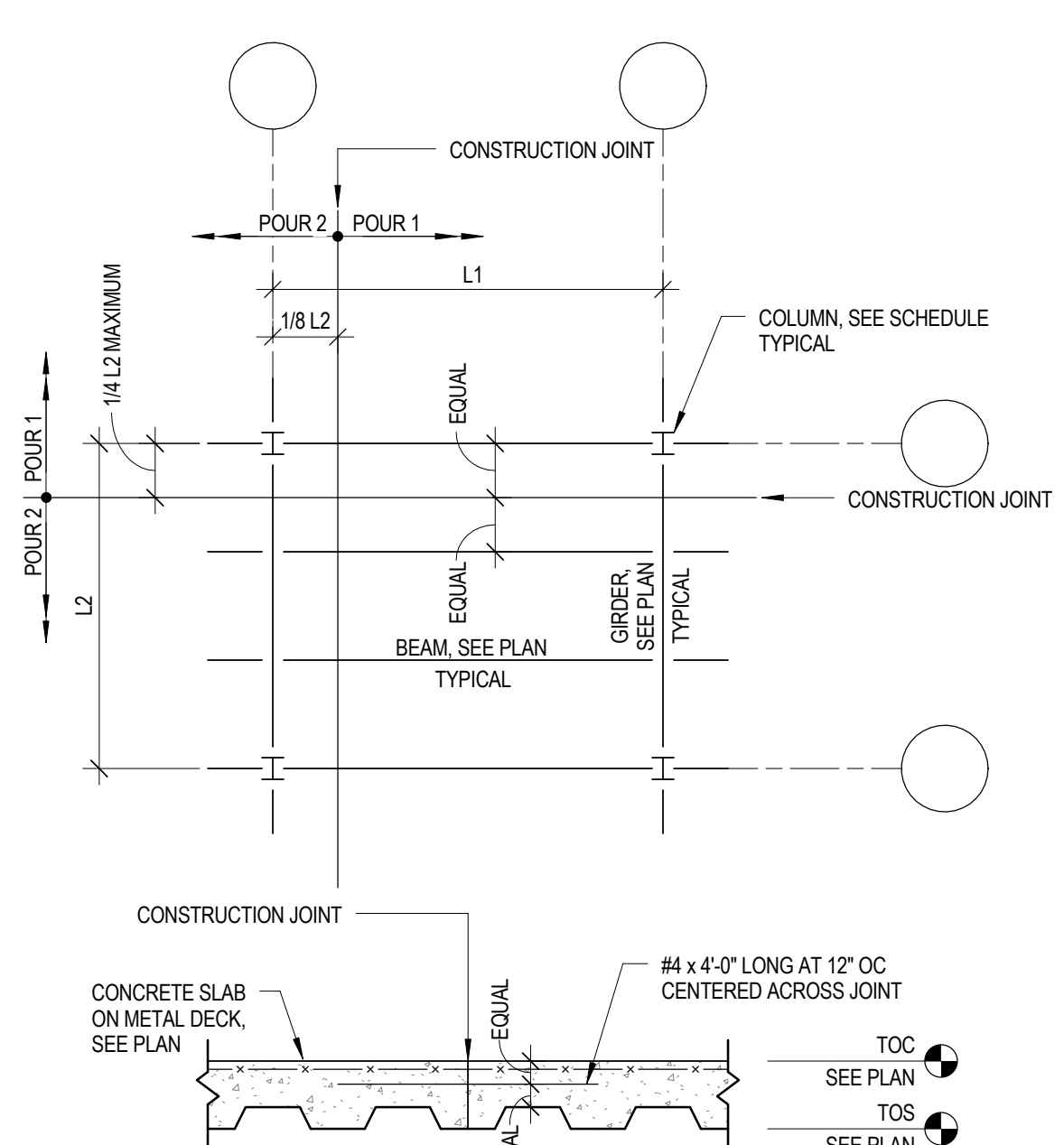
5 DETAIL
1/8\"/>



11 TYP EDGE OF DECK AT CMU
1\"/>

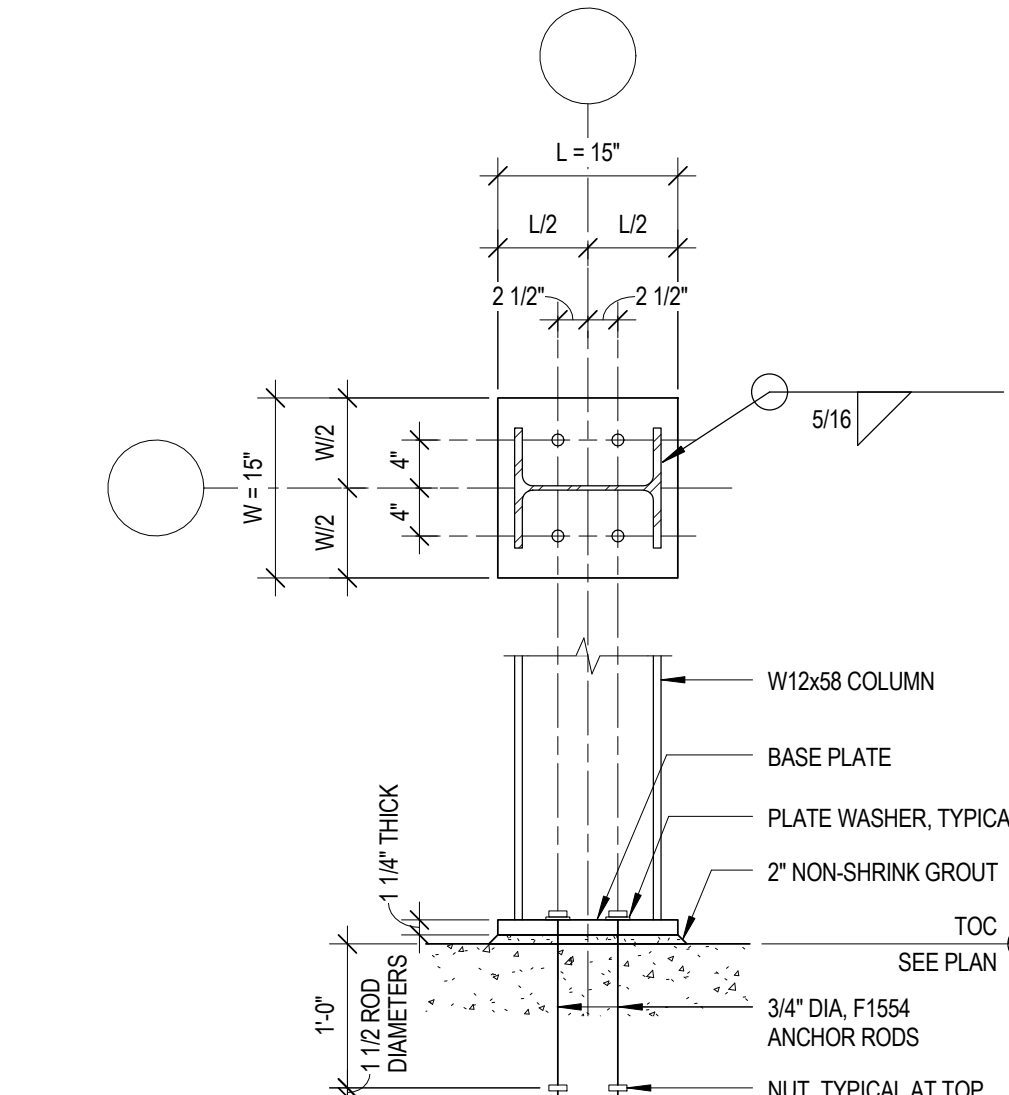


12 TYP BEAM BEARING
3/4\"/>




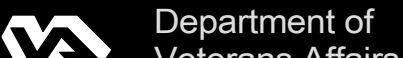


NOTES:
1. DETAIL DOES NOT APPLY WHERE PRECAST CONCRETE, CMU, OR OTHER GRAVITY LOAD IS SUPPORTED AT SLAB EDGE.
2. WHERE EDGE OF SLAB IS SHOWN TO BE CURVED, SDI POUR STOPS AND BENT PLATE SHALL BE ROLLED TO MATCH INDICATED CURVE.

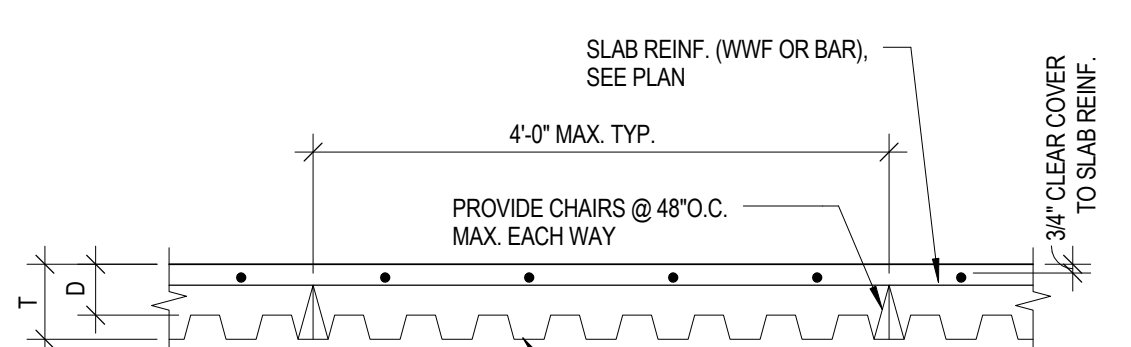
10 DETAIL
3/4\"/>



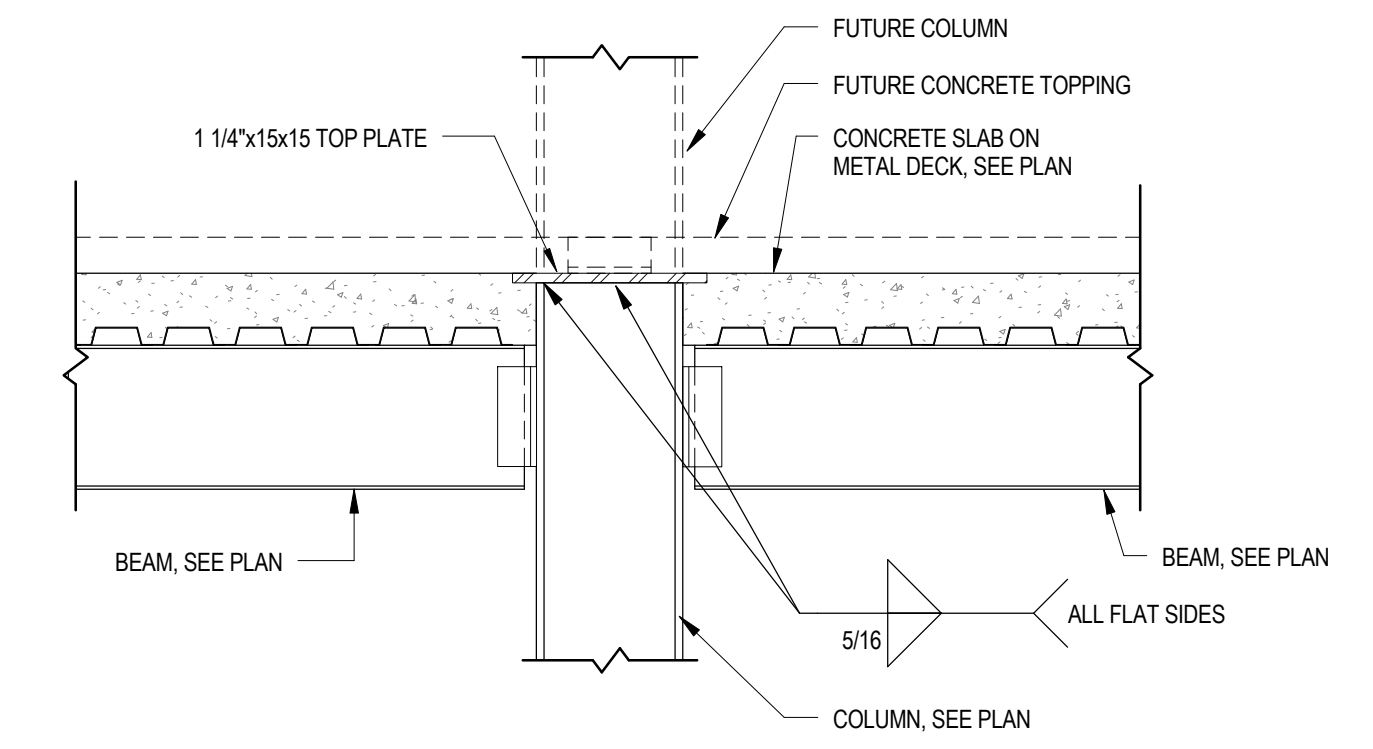
13 SECTION
3/4\"/>

CONSULTANTS  5126 W. Terrace Drive Suite 111 Madison, WI 53718-8343 608 / 242 1550 608 / 242 0787 fax www.graef-usa.com		ARCHITECT/ ENGINEERS: 13100 watertown plank road STE 180 elm grove, wi 53122 p 262.641.0746 f 262.641.0584   N8 W22195 JOHNSON DR STE 180 WAUKESHA, WI 53186 262.549.1190 262.549.1620 fx		Drawing Title: STEEL DETAILS Approved: Project Director		Project Title Middleton VAH Construct Pharmacy Cache Location Madison, WI Date May 13, 2013 Checked BS Drawn KN		Project Number 607-13-101 Building Number 19 Drawing Number: S510 Dwg. of			
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100% CONSTRUCTION DOCUMENTS



TYPICAL SLAB REINFORCEMENT

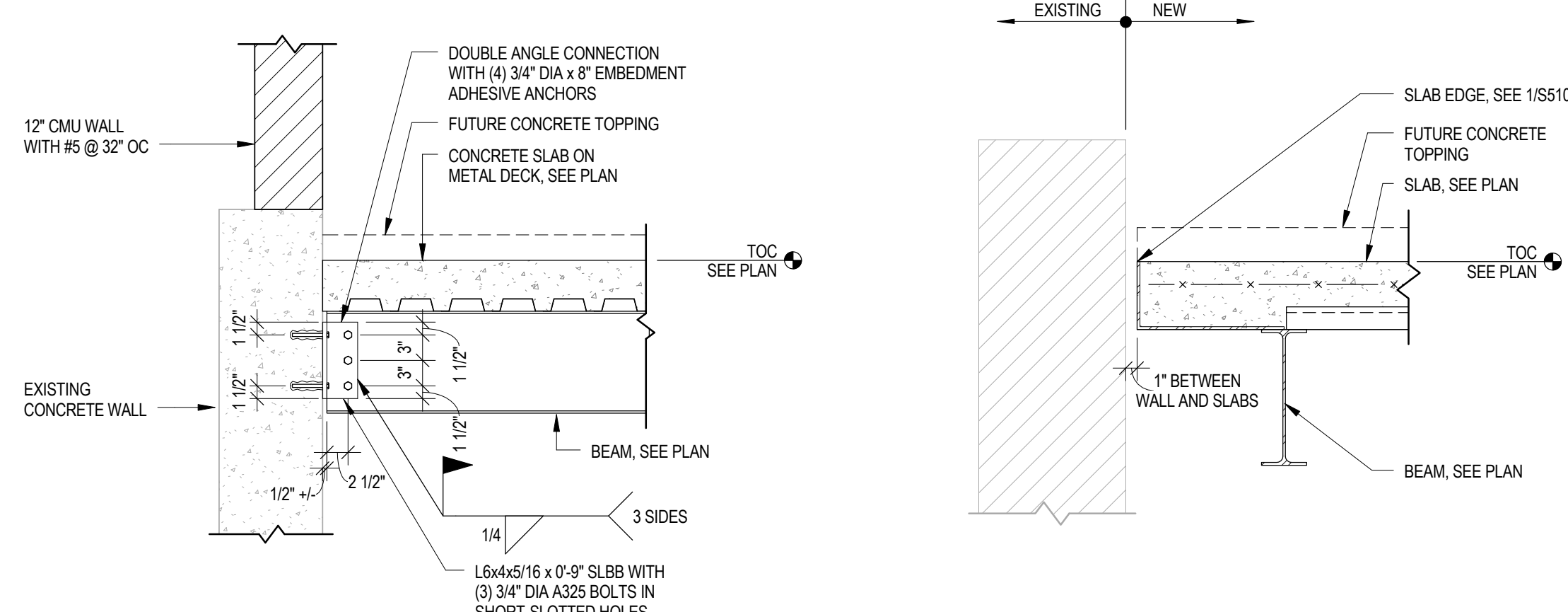


SECTION

$$3/4" = 1'-0"$$

1 TYPICAL SHEAR CONNECTIONS

3/4" = 1'-0"



SECTION

5) $3/4" = 1'-0"$

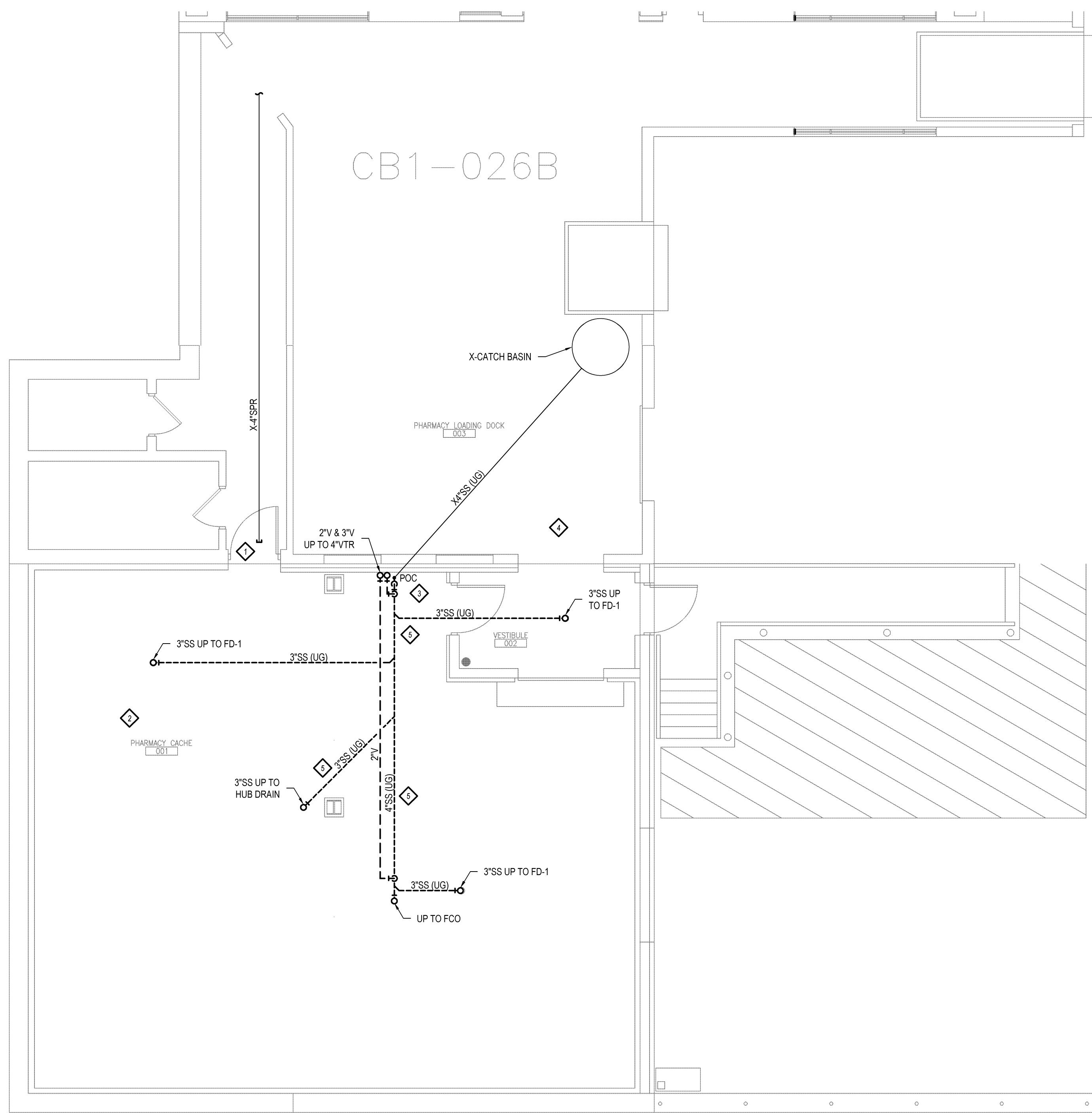
SECTION

6) $1^\circ = 1' - 0''$

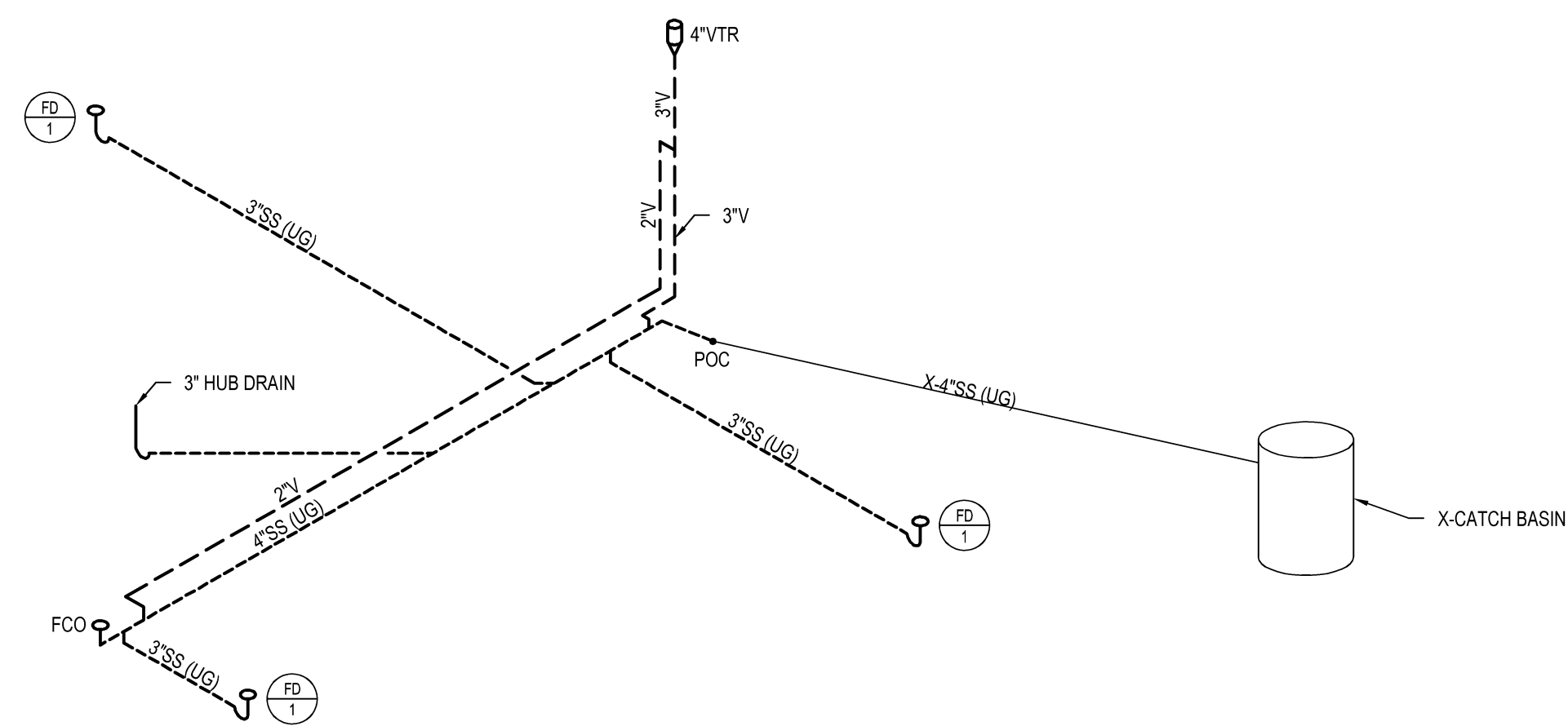
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one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot

VA-001 (2/2012) 17.00 - Middleton VA Pharmacy Cache Drawings 9-001.dwg 5-10-13 09:52:07 AM cswetzel



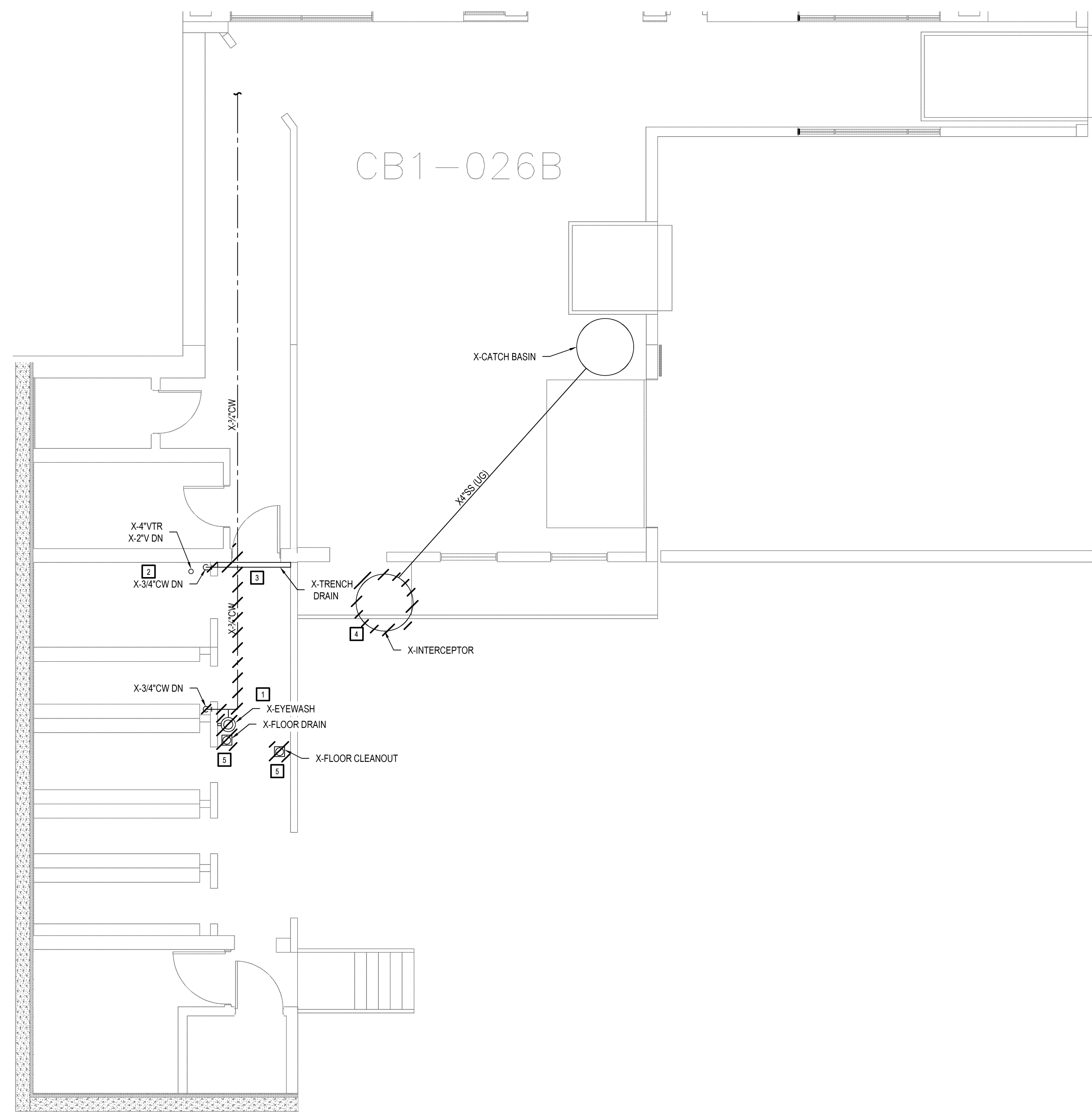
F2 PHARMACY CACHE PLUMBING NEW PLAN
3/16" = 1'-0"



F3 PLUMBING SANITARY AND VENT ISOMETRIC
N.T.S.

KEY NOTES

- 1. CAP EXISTING WET FIRE PROTECTION SPRINKLER PIPING BACK TO EXISTING CORRIDOR.
- 2. COORDINATE EXACT LOCATION OF NEW HUB DRAIN WITH NEW STRUCTURAL FOOTING AND COLUMN.
- 3. CONNECT NEW 4"SS TO X-4"SS PIPING. FIELD VERIFY EXACT SIZE AND LOCATION. COORDINATE WITH STRUCTURAL FOOTING.
- 4. EXTEND EXISTING DRY SPRINKLER PIPING FROM LOADING DOCK AREA TO PHARMACY CACHE AND PROVIDE A COMPLETE SPRINKLER SYSTEM PER NFPA AND VA REQUIREMENTS. FIELD VERIFY EXISTING SPRINKLER PIPING SIZE AND LOCATION. ROUTE NEW PIPING TO MAINTAIN MAXIMUM CLEARANCE.
- 5. COORDINATE NEW SANITARY SEWER PIPING WITH STRUCTURAL FOOTING.



F1 PHARMACY CACHE PLUMBING DEMO PLAN
3/16" = 1'-0"

DEMOLITION NOTES

- 1. REMOVE EXISTING EYEWASH STATION AND ASSOCIATED PIPING. CAP PIPING BACK TO MAIN.
- 2. REMOVE EXISTING HOSE BIBB, VACUUM BREAK, ISOLATION VALVE AND PIPING. CAP PIPING BACK TO MAIN.
- 3. REMOVE EXISTING TRENCH DRAIN, SANITARY AND VENT PIPING. PATCH EXISTING ROOF PENETRATION.
- 4. EXISTING INTERCEPTOR SHALL BE REMOVED. FIELD VERIFY EXACT LOCATION AND SIZE OF EXISTING INTERCEPTOR.
- 5. REMOVE EXISTING FLOOR DRAIN AND ASSOCIATE PIPING. FIELD VERIFY EXACT SIZE AND LOCATION.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
DN	DOWN
CO	CLEANOUT
FCO	FLOOR CLEANOUT
UG	UNDERGROUND
WCO	WALL CLEANOUT
FD*	FLOOR DRAIN
HB*	HOSE BIBB
X*	EXISTING

PLUMBING LEGEND

	NEW PLUMBING EQUIPMENT
	EXISTING PLUMBING COMPONENT
	DEMOLISHED PLUMBING COMPONENT
	NEW SANITARY SEWER
	EXISTING SANITARY SEWER
	NEW SANITARY VENT
	EXISTING SANITARY VENT
	UNDERGROUND PIPING
	KEY NOTE
	DEMO NOTE
	BALL VALVE
	FLOOR DRAIN/ROOF DRAIN
	PIPE BREAK
	PIPE CAPPED END
	PIPE CLEANOUT
	PIPE ELBOW/TEE DOWN
	PIPE ELBOW/TEE UP
	POINT OF CONNECTION

GENERAL NOTES

- CONTRACTOR SHALL COORDINATE HIS WORK WITH EXISTING CONDITIONS AND WITH THE WORK OF OTHER TRADES.
- THESE DRAWINGS ARE A DIAGRAMMATIC REPRESENTATION OF WORK TO BE ACCOMPLISHED AND AS SUCH DO NOT SHOW ALL REQUIRED OFFSETS OF PIPING. CONTRACTOR SHALL INSTALL MATERIAL AND EQUIPMENT AS TO CONFORM TO THE STRUCTURE, EQUIPMENT CONNECTIONS AND MAINTAIN HEADROOM, PASSAGEWAY AND WORKING CLEARANCES.
- THE EXISTING OR DEMOLITION PLANS ARE BASED OFF OF EXISTING AS-BUILTS, CONSTRUCTION DRAWINGS & CASUAL SITE WALK-THROUGHS. THE CONTRACTOR SHALL VISIT THE SITE, REVIEW OTHER DISCIPLINE DEMOLITION DRAWINGS & PROVIDE DISCONNECTION OR RELOCATION OF ALL NECESSARY EQUIPMENT FOR THE COMPLETION OF THIS PROJECT.
- KEYNOTES PERTAIN ONLY TO THE DRAWING THEY ARE LOCATED ON.
- CONTRACTOR WILL BE RESPONSIBLE TO REMOVE ANY AND ALL ABANDONED PIPING, DUCTWORK, AND/OR CONDUIT TO BE CAPPED BELOW FLOOR PENETRATION OR MAIN.
- CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF CONSTRUCTION BOUNDARY LIMITS UNLESS NOTED ON PLANS. COORDINATE SUCH WORK WITH VA.
- EQUIPMENT SELECTIONS ARE BASED OFF NOTED MANUFACTURERS AND MODELS LISTED ON SCHEDULES. ANY ALTERNATE EQUIPMENT SUBMITTED SHALL MEET OR EXCEED ALL PERFORMANCE CAPACITIES AND FALL WITHIN PHYSICAL DIMENSIONS AND WEIGHTS OF SCHEDULED EQUIPMENT. ALTERNATE SUBMITTALS SHALL MEET ALL SYSTEM REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MODIFICATIONS (STRUCTURAL, ELECTRICAL, MECHANICAL, ETC.) NECESSARY TO ACCOMMODATE ALTERNATE EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING AND VERIFYING ALL PIPING LOCATIONS AND THE SUBSEQUENT EFFECTS OF THE SHUT OFF OF THE PIPING BEFORE PROCEEDING WITH ANY DEMOLITION OR INSTALLATION.
- CONTRACTOR SHALL FIELD VERIFY ALL UNDERGROUND PIPING EITHER BY X-RAY OR CAMERA PRIOR TO SAWCUTTING THE FLOOR.

PLUMBING FIXTURE SCHEDULE

MARK	MANUFACTURER	MODEL	DESCRIPTION	HW	CW	TOTAL	DFU VALUE
FD1	JOSAM	30000-A SERIES	ADJUSTABLE CAST IRON FLOOR DRAIN, 2 PIECE BODY WITH DOUBLE DRAINAGE FLANGE, FLASHING COLLAR, WEEPHOLES, BOTTOM OUTLET, ADJUSTABLE ROUND CHROME STRAINER.	-	-	-	3.0

CONSULTANTS:

ARCHITECT/ENGINEERS:

13100 watertown plank road
suite 200
elm grove, wi 53122

p 262.641.0746
f 888.600.6207

magel
architects

IBC
ENGINEERING
SERVICES, INC.

N8 W22395 JOHNSON DR, STE 180, 262.549.1190
WAUKESHA, WI 53186 f 262.549.1620

Drawing Title
PLUMBING PLANS, GENERAL NOTES,
LEGENDS AND SCHEDULES

Approved Project Director

Project Title
Middleton VAH
Construct Pharmacy Cache

Location
Madison, WI

Date
May 13, 2013

Checked
TJK

Drawn
CDW

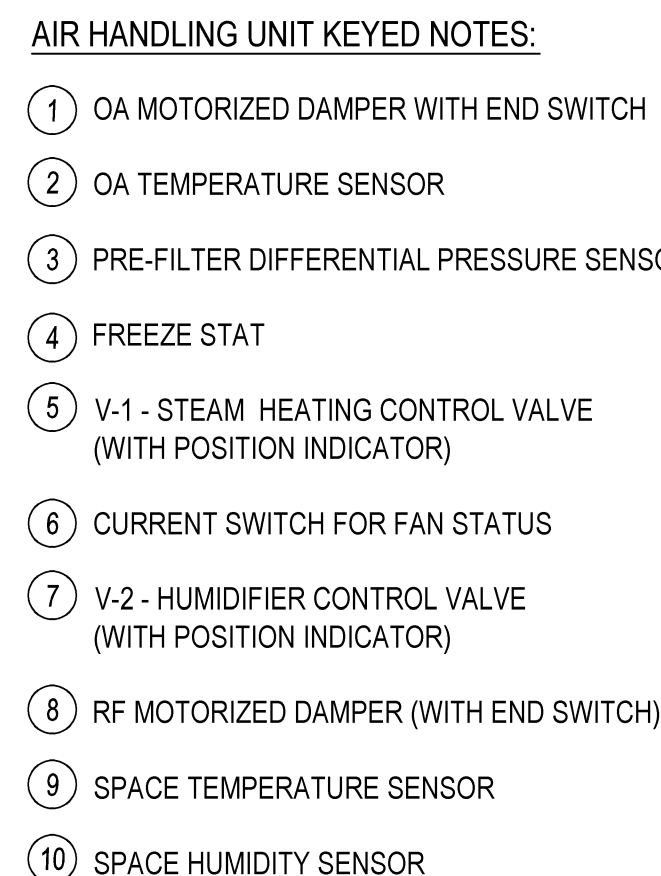
Project Number
607-13-101

Building Number
19

Drawing Number
P001

Office of
Construction
and Facilities
Management





NO SCALE

N.T.S.

N.T.S.

N.T.S.

 Department of
Veterans Affairs

ALTERNATE SUBMITTALS SHALL MEET ALL SYSTEM REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MODIFICATIONS (STRUCTURAL, ELECTRICAL, MECHANICAL, ETC.) NECESSARY TO ACCOMMODATE ALTERNATE EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.

AD	— ACCESS DOOR
AF	— ABOVE FINISHED FLOOR
AP	— ACCESS PANEL
BOD	— BOTTOM OF DUCT
BOP	— BOTTOM OF PIPE
CD	— CONDENSATE DRAIN
CFM	— CUBIC FEET PER MINUTE
CP	— CONTROL PANEL
CDR	— CONDENSATE DRAIN
DN	— DOWN
EA	— EXHAUST AIR
MIN	— MINIMUM
MAX	— MAXIMUM
LPS	— LOW PRESSURE STEAM
CR	— LOW PRESSURE CONDENSATE RETURN
OA	— OUTSIDE AIR
RA	— RETURN AIR
SA	— SUPPLY AIR
SID	— START / DISCONNECT

100% CONSTRUCTION DOCUMENTS

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

12/21/2012 11:21:00 - Middleton VA Pharmacy Cache Drawings M-001.dwg 5-10-13 11:12:37 AM chetzel

STEAM TRAP	
PLAN DESIGNATION	ST-1
MANUFACTURER	B&G
MODEL	B1-3/4"
SIZE	3/4
CAPACITY - LBS/HR	500
PRESSURE DIFFERENTIAL - PSI	1/2
MAX OPERATING TEMPERATURE - F	406
MAX OPERATING PRESSURE - PSIG	175

SELECTION BASED ON B&G INVERTED BUCKET TRAP

DIFFUSERS & GRILLES		S-1	R-1	E-1
PLAN DESIGNATION		TITUS	TITUS	TITUS
MANUFACTURER		300FL	350FL	350FL
MODEL		GRILLE	GRILLE	GRILLE
CONSTRUCTION	TYPE	DUCT	DUCT	DUCT
	MOUNTING MATERIAL	ALUMINUM	ALUMINUM	ALUMINUM
CFM		300	1,200	430
GRILLE SIZE		12" x 8"	24" x 12"	12" x 12"
DUCT CONNECTION SIZE		12" x 8"	24" x 12"	12" x 12"
NC		17	28	-

- REMARKS
- COORDINATE COLOR WITH ARCHITECT
 - PROVIDE WITH 1" BORDER
 - PROVIDE WITH OPPOSED BLADE DAMPER
 - PROVIDE WITH 22.5 DEGREE DEFLECTION BLADES

HUMIDIFIER		H-1
PLAN DESIGNATION		DRI-STEEM
MANUFACTURER		ULTRA-SORB LH
MODEL		STEAM
TYPE		AHU-147
SERVICE		1,200
AIR	FLOW RATE - CFM	56.0
	ENTERING DB TEMP - °F	20.0
	ENTERING RH%	56.0
	LEAVING DB TEMP - °F	72.0
ROOM CONDITIONS	ROOM TEMP - °F	36.0
	LEAVING RH %	36.0
STEAM	FLOW RATE - LBS/HR	5.0
	STEAM PRESSURE - PSI	3
NUMBER SIZE - IN		3/4
STRAINER SIZE - IN		1/2
INLET - NPT		ELECTRONIC
CONTROL		14"
ABSORPTION DISTANCE (VAPOR TRAIL)		24x18
FACE DIMENSIONS (WxH) IN		

- REMARKS
- SELECTIONS BASED ON DRI-STEEM HUMIDIFIER
 - PROVIDE TEMPERATURE SWITCH
 - STEAM PRESSURE AT VALVE IS 4.0 PSI

RELIEF FAN		RF-147
PLAN DESIGNATION		GREENHECK
MANUFACTURER		G-095-VG
MODEL		ROOF MOUNTED
FAN TYPE		PHARMACY CACHE
SERVES		ROOF
LOCATION		
FAN	CFM	430
	ESP (IN.W.C.)	0.8
	DRIVE	DIRECT
	MAX RPM	1,725
	NOM. FAN MOTOR (HP)	1/8
	VOLTAGE/PHASE	115/1
	SIZE (DIAxH) IN	21.8x14.6
	WEIGHT (LBS)	60
	1ST OCTAVE	82
	2ND OCTAVE	80
CABINET	3RD OCTAVE	73
	4TH OCTAVE	67
	5TH OCTAVE	64
	6TH OCTAVE	59
	7TH OCTAVE	50
	8TH OCTAVE	47
	SONES	10.7
	1 THRU 4	
SOUND POWER		
MAX VALUES (INTAKE)		

- REMARKS
- SCHEDULED UNITS BASED ON SELECTIONS OF GREENHECK FANS
 - PROVIDE DISCONNECT
 - PROVIDE WITH ROOF CURB
 - PROVIDE WITH VARIABLE SPEED CONTROLLER

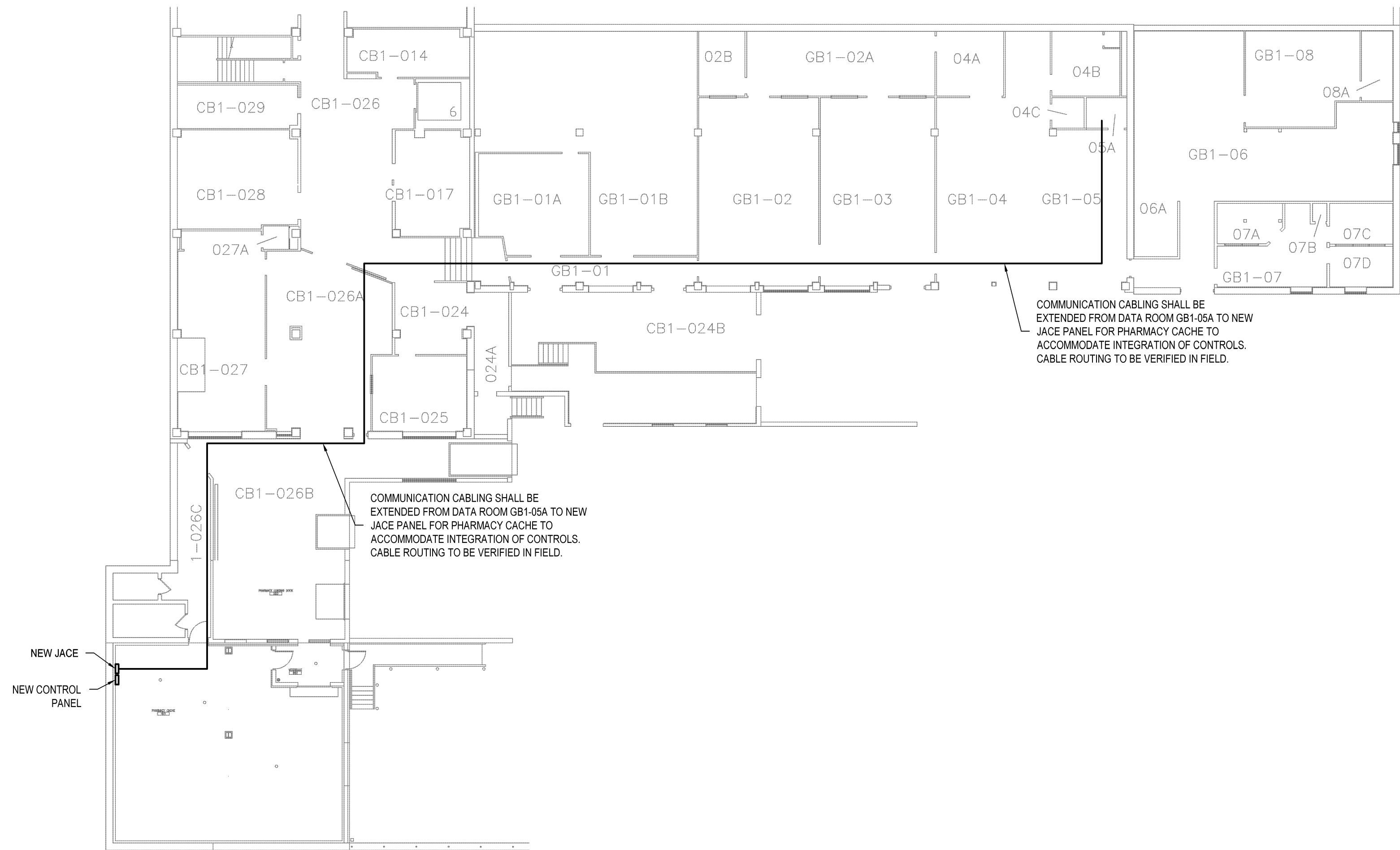
AIR HANDLING UNIT		AHU-147
PLAN DESIGNATION		AACN
MANUFACTURER		RQ SERIES
MODEL		4
SIZE		PHARMACY CACHE
LOCATION		ROOF
MOUNTING		
HEATING	SUPPLY - CFM	1,200
	OUTSIDE AIR - CFM	430
	CAPACITY - MBH	86.7
	ENTERING AIR TEMP - °F	41.3
STEAM	LEAVING AIR TEMP - °F	90.1
	PRESSURE - LBS	5
	CONDENSATE - LBS/HR	72.4
	CFM	1,200
COOLING (DX COIL)	TOTAL CAPACITY - MBH	50.3
	SENSIBLE CAPACITY - MBH	37.3
	ENTERING AIR TEMP - °F DB	82.2
	ENTERING AIR TEMP - °F WB	67.1
	LEAVING AIR TEMP - °F DB	52.9
	LEAVING AIR TEMP - °F WB	52.7
	SEER	15.7
	ESP - IN	1.05
FAN	RPM	1,750
	MOTOR HP	1
	FLA	28
	VOLTS/PHASE	208/3
CABINET SIZE (H x W x D)		45x44x52.5
WEIGHT - LBS		860
REMARKS		1,2,3,4

- REMARKS
- PROVIDE WITH HOT GAS REHEAT COIL
 - PROVIDE WITH DX COOLING COIL
 - PROVIDE WITH VARIABLE CAPACITY COMPRESSOR
 - PROVIDE WITH 2" x 4" FILTERED FILTERS
 - PROVIDE WITH 48" CURB WITH (2) ACCESS DOORS
 - SEE 23 81 00 FOR FURTHER FEATURES

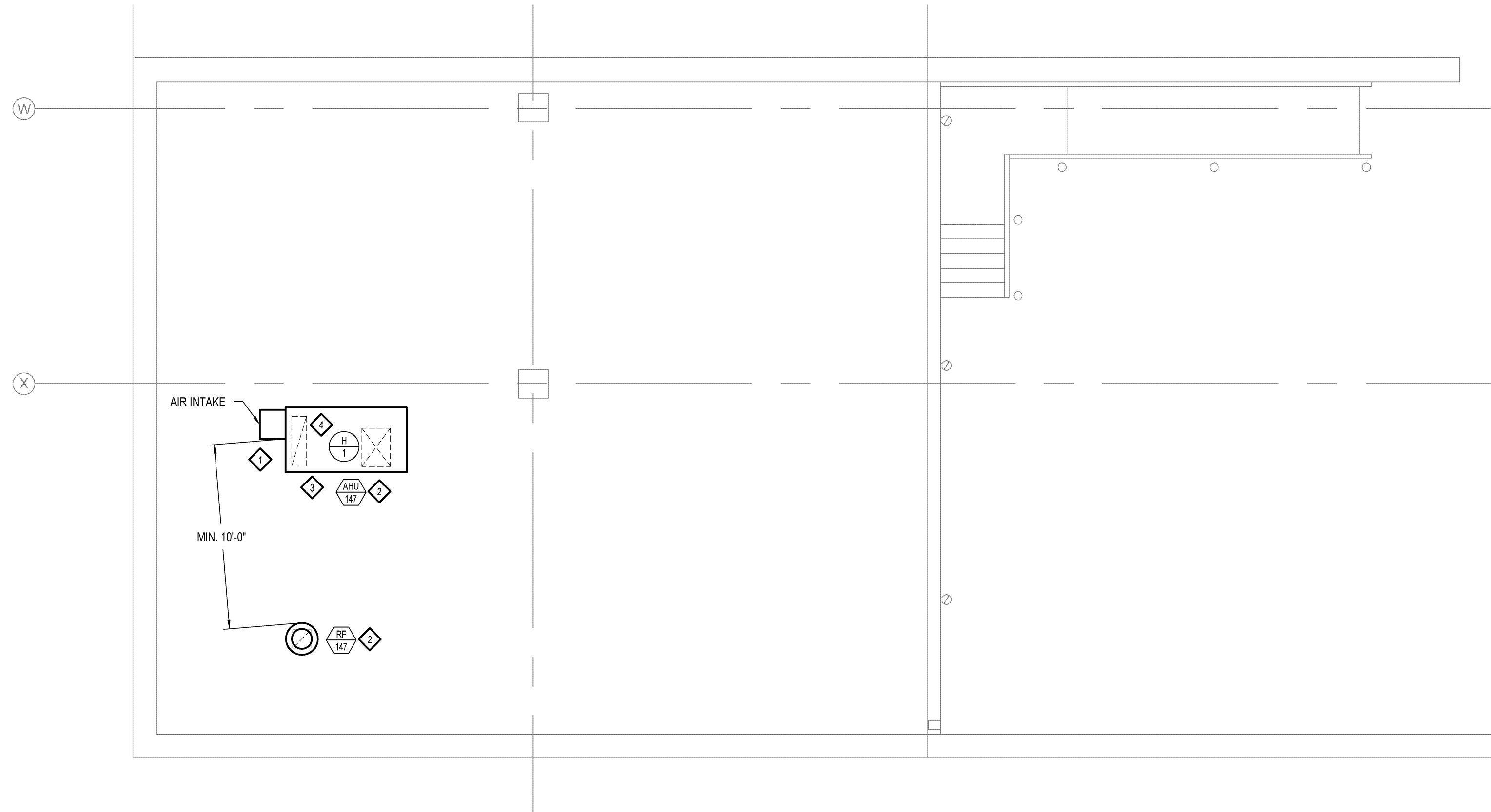
VENTILATION SCHEDULE

BLDG	LEVEL	ROOM NAME	ROOM USE	AREA SQ FT	ACH REQ'D SUPPLY	ACH REQ'D OUTSIDE AIR	CFM REQ'D SUPPLY	CFM REQ'D OUTSIDE AIR	CFM REQ'D CALCS	ROOM AIR BALANCE	CFM PROVIDED SUPPLY	CFM PROVIDED OUTSIDE AIR
19	GROUND	PHARMACY CACHE	WAREHOUSE	1803	4	2	855	427	770	NEUTRAL	1,200	430

NR=NOT REQUIRED
NA=NOT APPLICABLE



F2 PHARMACY CACHE COMMUNICATION WIRING PLAN
1/16" = 1'-0"



F1 PHARMACY CACHE MECHANICAL ROOF PLAN
3/16" = 1'-0"



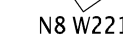
KEY NOTES

- OUTSIDE AIR INTAKE HOOD FOR ROOFTOP UNIT SHALL BE MIN. 10 FT AWAY FROM EXHAUST FAN.
- FIELD VERIFY EXACT LOCATION OF ALL NEW EQUIPMENT ON ROOF WITH STRUCTURAL BEAMS.
- INSTALL COOLING COIL CONDENSATE WASTE FROM ROOFTOP UNIT PER MANUFACTURER'S RECOMMENDATION. DISCHARGE CONDENSATE WASTE ONTO ROOF AND PROVIDE SLOASH BLOCK.
- REFER TO DETAIL 1 ON SHEET M-200 FOR STEAM COIL AND HUMIDIFIER CONNECTIONS.

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- ◆ CONNECT NEW 2"PLS AND 3/4"CR TO EXISTING. KEEP NEW PIPING HIGH AS POSSIBLE.
- ◆ ALL EQUIPMENT, DUCTWORK, PIPING, ETC SHALL BE INSTALLED HIGH AS POSSIBLE TO MAXIMIZE HEAD CLEARANCE. COORDINATE ALL INSTALLATION WITH NEW AND EXISTING CONDITIONS PRIOR TO INSTALLATION.
- ◆ INSTALL STEAM-DEND-OF-LIFT PER DETAIL 6 ON SHEET M-200. STEAM-DEND-OF-LIFT SHALL BE LIMITED TO MAX. 24".
- ◆ CONNECT SUPPLY AND RETURN DUCTS TO ROOFTOP UNIT. PROVIDE TRANSITIONS AS REQUIRED FOR CONNECTION. CONNECT DUCT TO UNIT WITH FLEX CONNECTION.
- ◆ INSTALL THERMOSTAT AND HUMIDITY SENSOR 48" AFF AND CONNECT TO BAS. FIELD VERIFY EXACT LOCATION WITH NEW STORAGE BAYS.
- ◆ ROUTE NEW 2"PLS AND 3/4"CR UP THROUGH ROOFTOP AHU-147 CURB AND MAKE PIPING CONNECTIONS WITHIN CURB PER DETAIL 1 SHEET M-200. FIELD VERIFY EXACT LOCATION OF PIPE PENETRATION WITH ROOFTOP AHU-147 AND CURB.
- ◆ PROVIDE AND INSTALL VANDAL PROOF BURGALAR BARS IN SUPPLY AND RETURN DUCT RISERS.

[illegible]

IBC
ENGINEERING
SERVICES INC.

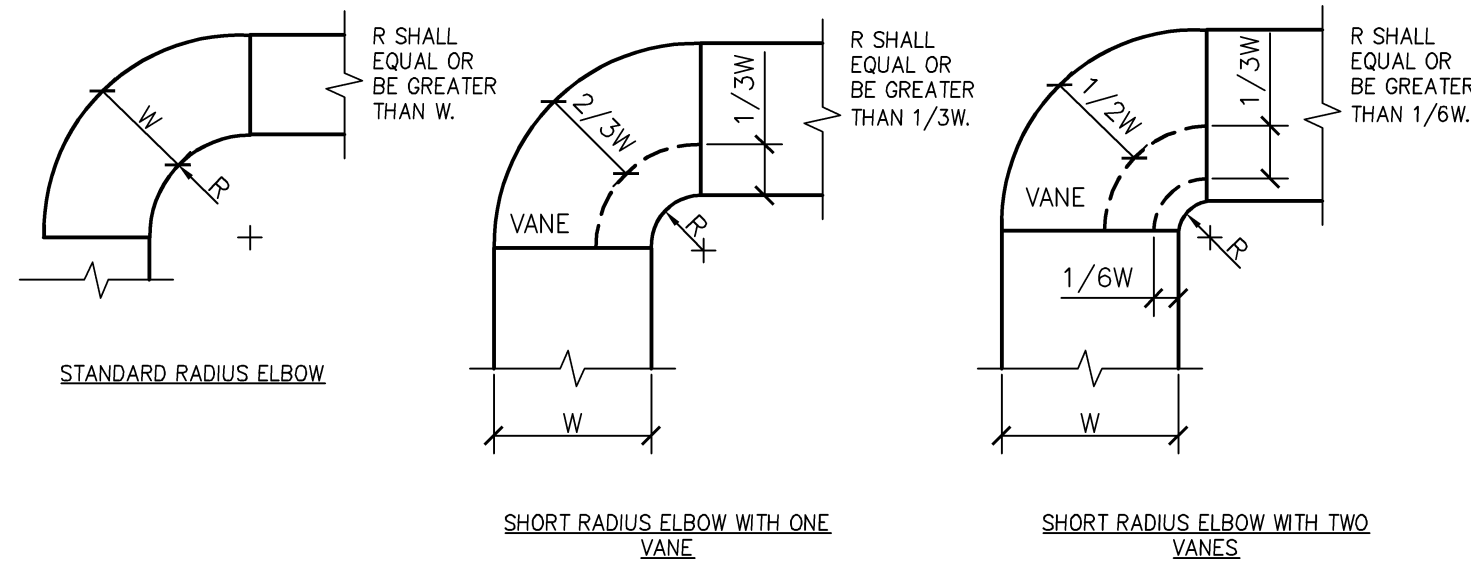
N8 W22195 JOHNSON DR, STE 180 262.549.119
WAUKESHA, WI 53186 fx 262.549.162

 Department of
Veterans Affairs

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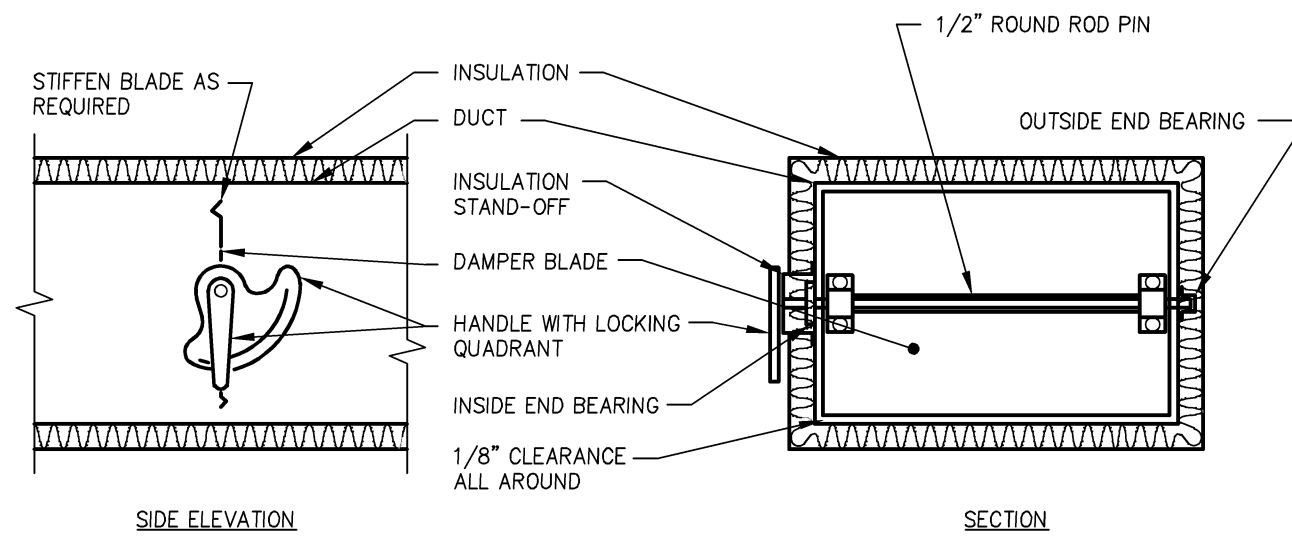
one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
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ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot

MA:2012.20.217.00 - Middleton VA Pharmacy Cache Drawings.M-200.dwg 5-10-13 09:37:23 AM cweitzel



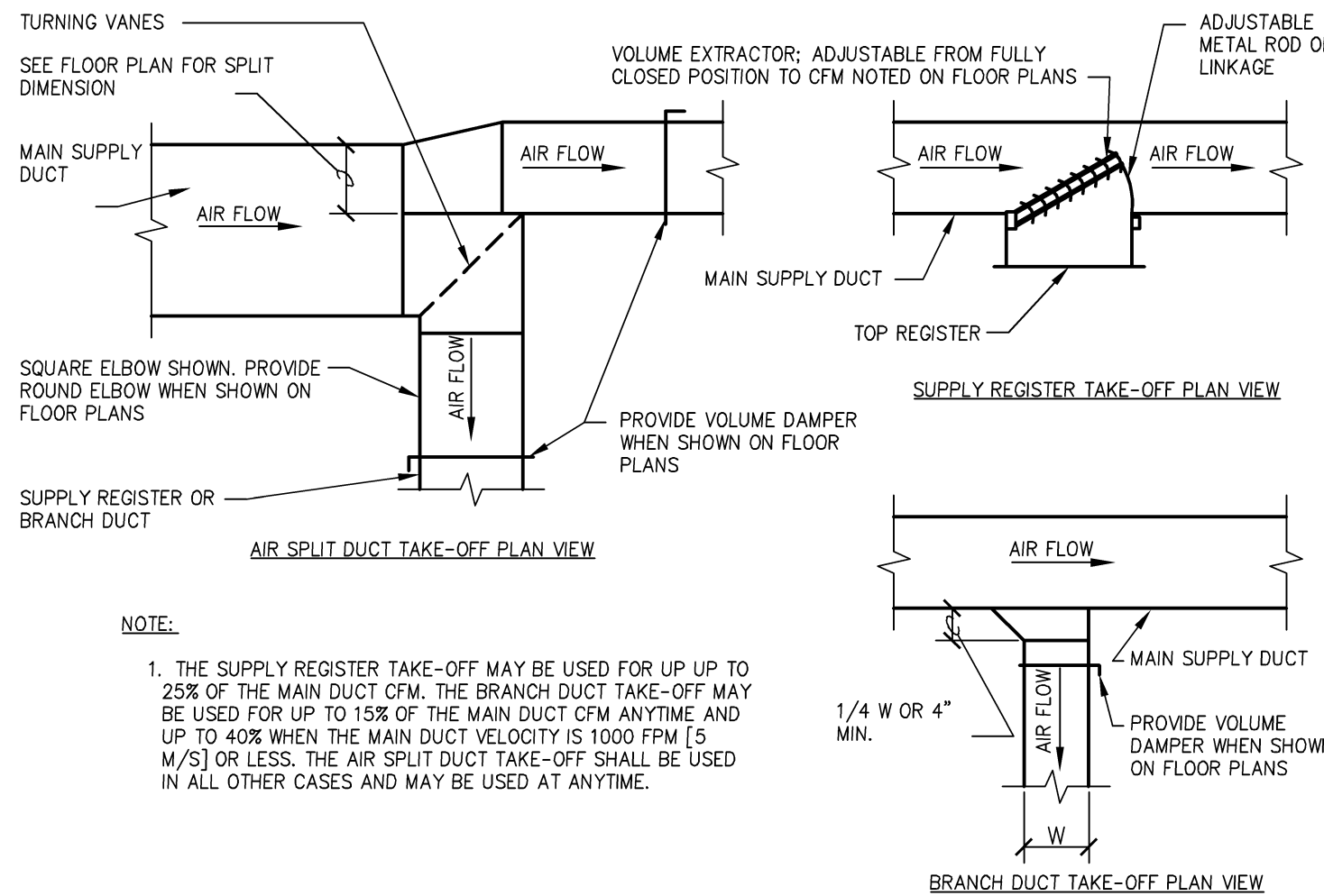
- NOTE:
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
 2. ALL STANDARD RADIUS ELBOWS SHOWN ON FLOOR PLANS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

4 DUCTWORK RADIUS ELBOWS
N.T.S.



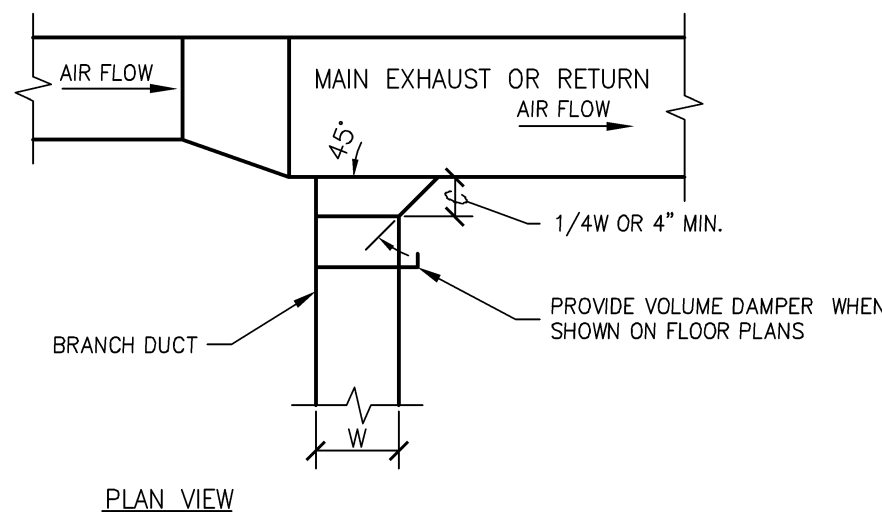
- NOTE:
1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
 2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

5 VOLUME DAMPER DETAIL
N.T.S.



- NOTE:
1. THE SUPPLY REGISTER TAKE-OFF MAY BE USED FOR UP TO 25% OF THE MAIN DUCT CFM. THE BRANCH DUCT TAKE-OFF MAY BE USED FOR UP TO 15% OF THE MAIN DUCT CFM ANYTIME AND UP TO 40% WHEN THE MAIN DUCT VELOCITY IS 1000 FPM (5 W/5) OR LESS. THE AIR SPLIT DUCT TAKE-OFF SHALL BE USED IN ALL OTHER CASES AND MAY BE USED AT ANYTIME.

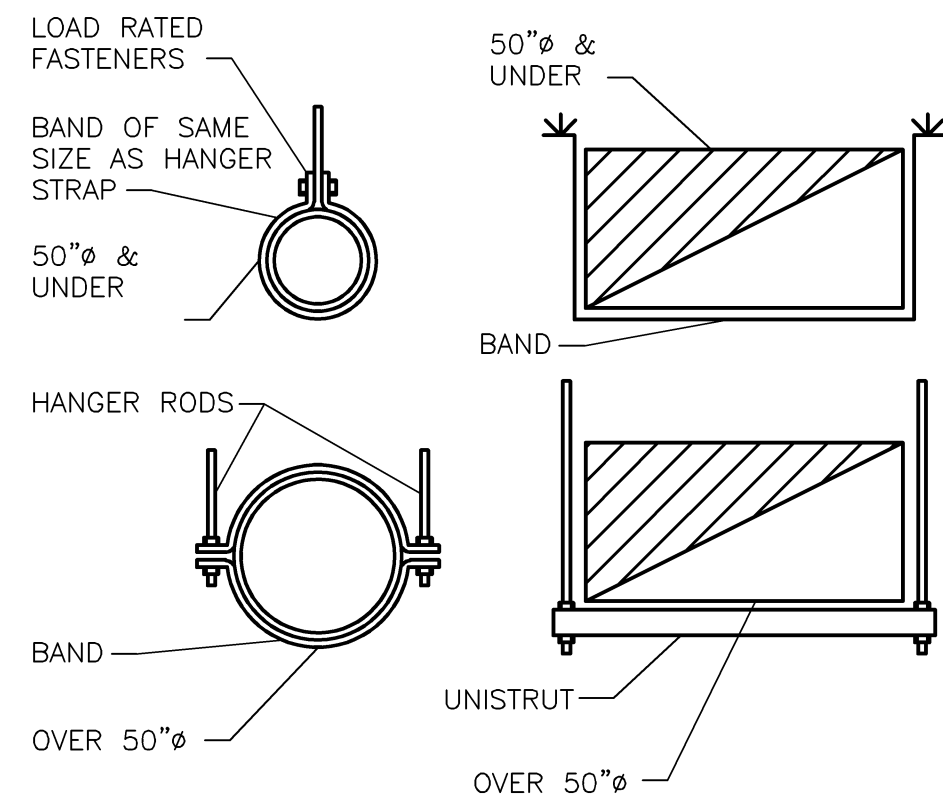
6 SUPPLY DUCTWORK TAKE-OFFS
N.T.S.



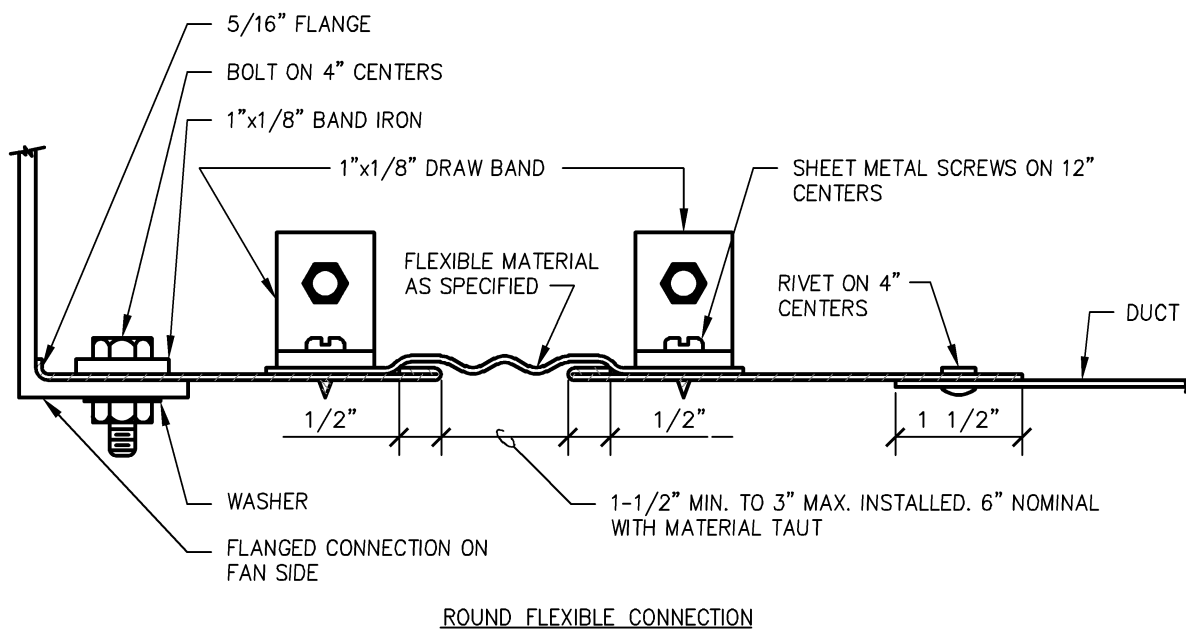
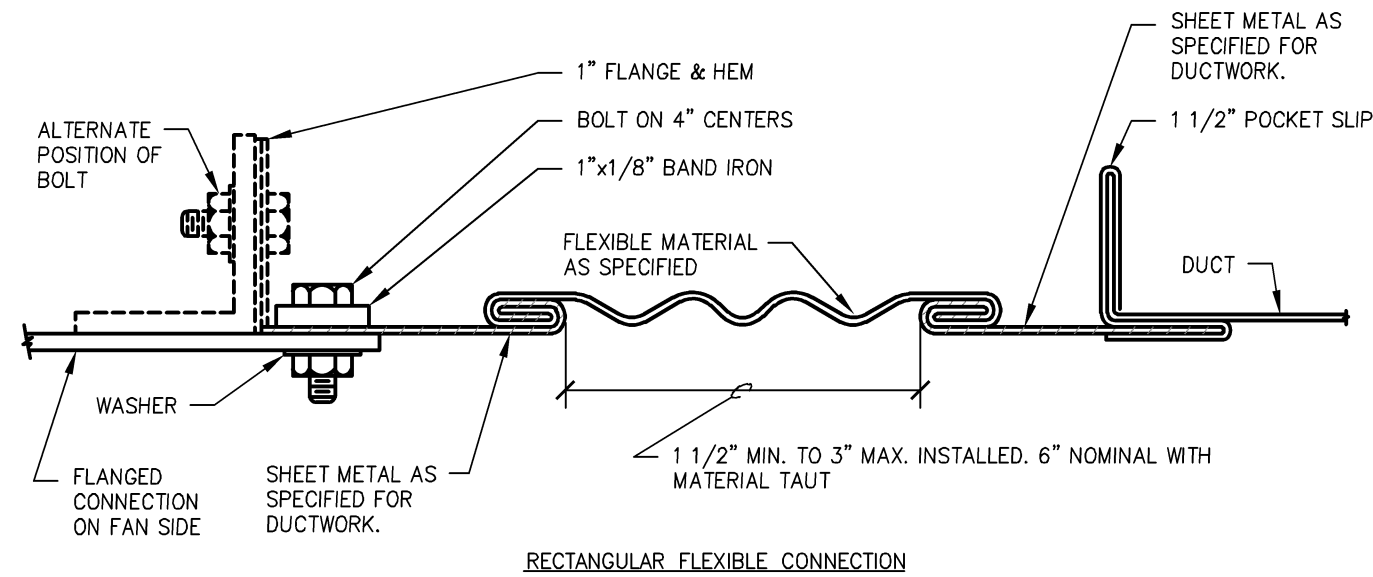
7 EXHAUST OR RETURN BRANCH DUCTWORK
N.T.S.

NOTE:
TABULATED DATA FROM SMACNA
ALLOWS FOR DUCT REINFORCING AND
INSULATION, BUT NO EXTERNAL LOAD.

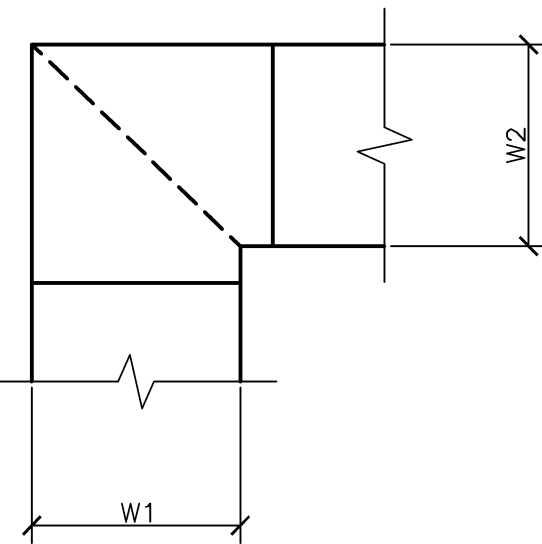
HANGER STRAPS OR RODS				
MAX. DUCT DIM IN. [mm]	QUANTITY/SIZE IN. [mm]	MAX. LOAD LBS. [kg]	MAX. SPACING IN. [mm]	
26 [650]	ONE 1 [25] x 22 GA STRAP	260 [119]	144 [3600]	
36 [900]	ONE 1 [25] x 18 GA STRAP	420 [190]	144 [3600]	
50 [1250]	ONE 1 [25] x 16 GA STRAP	700 [317]	144 [3600]	
60 [1500]	TWO 3/8 [10]# RODS	1320 [598]	144 [3600]	
84 [2100]	TWO 1/2 [13]# RODS	2500 [1133]	144 [3600]	



1 DUCT HANGERS
N.T.S.



2 RECTANGULAR AND ROUND FLEXIBLE CONNECTION DETAILS
N.T.S.



- NOTE:
1. ALL VANED ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
 2. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE VANE TYPE REGARDLESS OF W DIMENSION.
 3. ALL SINGLE VANES SHALL HAVE A 2" RADIUS, 1 1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.
 4. WHEN W EQUALS W2 AND W1 IS GREATER THAN 20" VANES SHALL BE DOUBLE VANE TYPE.
 5. PROVIDE ACCESS PANELS AT ELBOW TO FACILITATE CLEANING.

3 DUCTWORK SQUARE VANED ELBOWS
N.T.S.

100% CONSTRUCTION DOCUMENTS

Revisions:	Date	CONSULTANTS:	ARCHITECT/ENGINEERS:	Drawing Title MECHANICAL DETAILS	Project Title Middleton VAH Construct Pharmacy Cache	Project Number 607-13-101	Office of Construction and Facilities Management
			13100 watertown plank road suite 200 elm grove, wi 53122 p 262.641.0746 f 888.600.6207	Approved Project Director	Location Madison, WI	Building Number 19	
					Date May 13, 2013	Drawn CDW	
					Checked TJK	Drawing Number M201	Department of Veterans Affairs



	NON-FUSED DISCONNECT
	FUSED DISCONNECT
	MAGNETIC STARTER
	COMBINATION STARTER
	MOTOR
	FIRE ALARM PULL STATION
	FIRE ALARM SPEAKER STROBE
	FIRE ALARM HEAT DETECTOR
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM DUCT DETECTOR
	FIRE ALARM CONTROL MODULE
	FIRE ALARM MONITOR MODULE
	FIRE ALARM FLOW SWITCH
	FIRE ALARM TAMPER SWITCH
	WALL MOUNTED SPEAKER

SECURITY CAMERA, TILT, ZOOM CAMERA

CARD ACCESS READER; LETTER INDICATES AS FOLLOWS:

C=CEILING	D=DESK	F=FLUSH	H=HIDDEN
M=MULLION	P=PEDESTAL	R=RACK	
S=SURFACE	W=WALL		
T=TECHNOLOGY TYPE			

R=BARCODE F=ELEV. FLOOR CALL H=ELEV. HALL CALL
M=MAG-STRIP P=PROXIMITY S=SMART CARD T=TOKEN

MOTION DETECTOR; LETTER INDICATES AS FOLLOWS:

C=CEILING	D=DESK	F=FLUSH	H=HIDDEN
M=MULLION	P=PEDESTAL		R=RACK
S=SPACE	W=WALL		
T=TECHNOLOGY TYPE			

D=DUAL TECHNOLOGY I=INFRARED M=MICROWAVE
U=ULTRASONIC X=REQUEST-FOR-EXIT

PUSH BUTTON; LETTER INDICATES AS FOLLOWS:

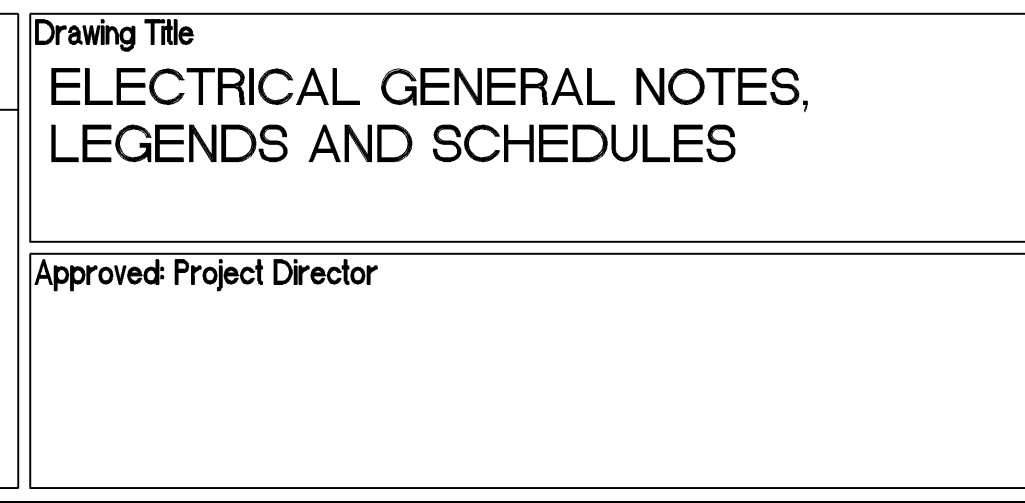
C=CEILING	D=DESK	F=FLUSH	H=HIDDEN
M=MULLION	P=PEDESTAL		R=RACK
S=SURFACE	W=WALL		
T=TECHNOLOGY TYPE			

R=BUZZER P=DURESS S=PANIC
R-DOOR RELEASE X=REQUEST-FOR-EXIT

MAG	MAGNETIC STARTER
MAN	MANUAL STARTER
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MOPC	MAXIMUM OVERCURRENT PROTECTION
MLO	MAIN LUG ONLY
MTD	MOUNTED
MOUNT	MOUNTING
NAC	NOTIFICATION APPLIANCE CIRCUIT
NEC	NATIONAL ELECTRICAL CODE
NFSS	NON-FUSED SAFETY SWITCH
NU	NEAR UNIT
OS	OCCUPANCY SENSOR
OU	ON UNIT
P	POLE
PC	PLUMBING CONTRACTOR
PH	PHASE
PNC	PANEL
PV	POLYVINYL CHLORIDE (PLASTIC)
PW	PRE-WIRED
PWR	POWER
RECP	RECEPTACLE
RM	ROOM
REQ'D	REQUIRED
SD	SMOKE DETECTOR OR SMOKE DAMPER
SF	SQUARE FOOT (FEET)
SW	SWITCH
TYP	TYPICAL
V	VOLT
VA	VOLT AMPERE
VFD	VARIABLE FREQUENCY DRIVE
W	WATT OR WIRE
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
X-	EXISTING
XFMR	TRANSFORMER

1. ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, LOCAL CODES, FEDERAL AND STATE REGULATIONS AND ORDINANCES OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
2. THE CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE FULL EXTENT OF WORK, AND PROJECT CONDITIONS, AND SHALL BE FAMILIAR WITH THE LOCAL REGULATIONS AND ORDINANCES GOVERNING THE WORK. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT.
3. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER IN WRITING OF ANY EQUIPMENT, MATERIALS, INSTALLATIONS, ETC., THAT ARE DEFICIENT OR IN VIOLATION OF LOCAL ORDINANCES.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL, LABOR, EQUIPMENT, DEVICES, FIXTURES, SERVICE REQUIREMENTS, ETC., NECESSARY FOR A COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEM/INSTALLATION.
5. THE CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH THE SPECIFICATIONS AND MORE STRINGENT REQUIREMENTS ARE SET FORTH BY THE ARCHITECTURAL DRAWINGS OR LOCAL CODES AND ORDINANCES. THE CONTRACTOR SHALL BE SOBERLY GOVERN, ANY DEVIATIONS FROM THESE DRAWINGS SHALL BE RECORDED AND PROVIDED IN WRITING TO THE ARCHITECT AND ENGINEER.
6. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND THE CONTRACTOR SHALL INSTALL EQUIPMENT TO MEET THE SPECIFICATIONS. THE CONTRACTOR SHALL OBTAIN APPROVED SHOP DRAWINGS.
7. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE RESPECTIVE TRADES AND VERIFY LOCATIONS AND REQUIREMENTS FROM THE ARCHITECTURAL DRAWINGS, FIELD MEASUREMENTS AND SUPPLIER SHOP DRAWINGS.
8. THE CONTRACTOR SHALL CHECK ALL DRAWINGS AND SPECIFICATIONS OF THE ELECTRICAL TRADES HANGERS FROM THEIR BID ANY ADDITIONAL WORK REQUIRED BY THIS TRADE.
9. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT SWITCHES, POWER, AND DATA DRAINAGE OUTLETS. ALL DEVICES SHALL BE MOUNTED VERTICALLY UNLESS OTHERWISE NOTED. COORDINATE ALL FINAL DEVICE REQUIREMENTS WITH ARCHITECT PRIOR TO INSTALLATION.
10. ALL CONDUIT SHALL BE SECURED COMPLIANCE WITH ALL CODE REQUIREMENTS, AND INSTALLED IN A MANNER AS TO AVOID MINIMUM INTERFERENCE WITH OTHER TRADES. ALL CONDUITS ABOVE CEILING SHALL BE SUPPORTED BY SADDLES OR HANGERS DERIVED FROM THE STRUCTURAL SLAB DECK OR FRAMING ABOVE INDEPENDENT OF THE CEILING, CEILING SUPPORT SHALL BE USED FOR THE CONDUIT. CONDUIT SHALL BE SECURED COMPLIANCE UNLESS OTHERWISE NOTED ON DRAWINGS.
11. FIRE RATED SEALS SHALL BE PROVIDED FOR ALL CONDUIT PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS, AND CEILINGS.
12. CONTRACTOR SHALL VERIFY BEFORE EQUIPMENT CONNECTION CONFIGURATIONS FOR EACH PHASE. ALL WIRING FOR AIR HANDLERS AND HANGERS ONLY TO COMMUNICATE DESIGN INTENT, FINAL LOCATIONS SHALL BE VERIFIED PRIOR TO INSTALLATION. THIS SHALL INCLUDE ALL WIRING FOR DIMMERS, DIMMER RECEPTACLES, SWITCHES, DATA PORTS, AUDIO/VIDEO DEVICES, AND TELEPHONE JACKS.
13. THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL ABOVE CEILING REQUIREMENTS (PLENUM, EXHAUST, AIR HANDLERS, ETC.) PRIOR TO BE REQUIRED BY LOCAL AUTHORITY BEFORE THE INSTALLATION AND PURCHASE OF ELECTRICAL EQUIPMENT, MATERIALS SUCH AS WIRING, WIRING CHANNELING, AND THE ORDERING OF LIGHT FIXTURES.
14. CONDUCTOR SIZES INDICATED ARE MINIMUM SIZES BASED ON 75°C COPPER CONDUCTOR. CAPACITIES OF CONDUCTORS DO NOT TAKE VOLTAGE DROP INTO CONSIDERATION. CONTRACTOR SHALL SIZE CONDUCTORS FOR VOLTAGE DROPS AND BRANCH LOADS AND WHERE THE MAXIMUM TOTAL VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE LOADS SHALL NOT EXCEED 5 PERCENT, TO PROVIDE REASONABLE EFFICIENCY OF OPERATION.

E000 : ELECTRICAL SYMBOLS AND ABBREVIATIONS
E100 : ELECTRICAL PANEL LOCATION AND DEMOLITION PLANS
E101 : ELECTRICAL LIGHTING, POWER AND SYSTEMS PLANS
E200 : ELECTRICAL SCHEDULES

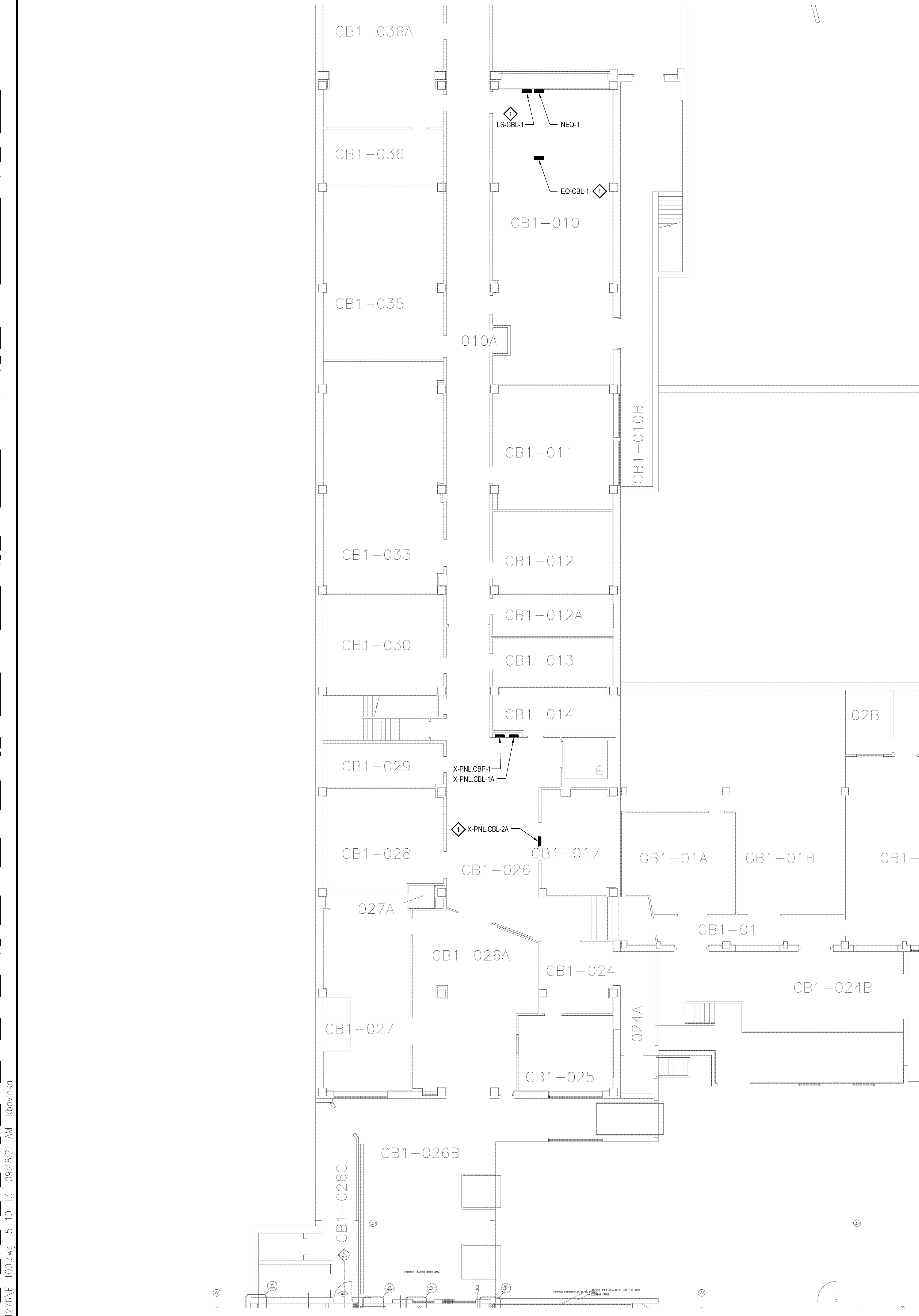
[illegible]The logo for nagel architects, featuring the word "nagel" in a bold, lowercase sans-serif font, with "architects" in a smaller, lowercase sans-serif font below it.

Drawn	
JSF	

Drawing Number
E001

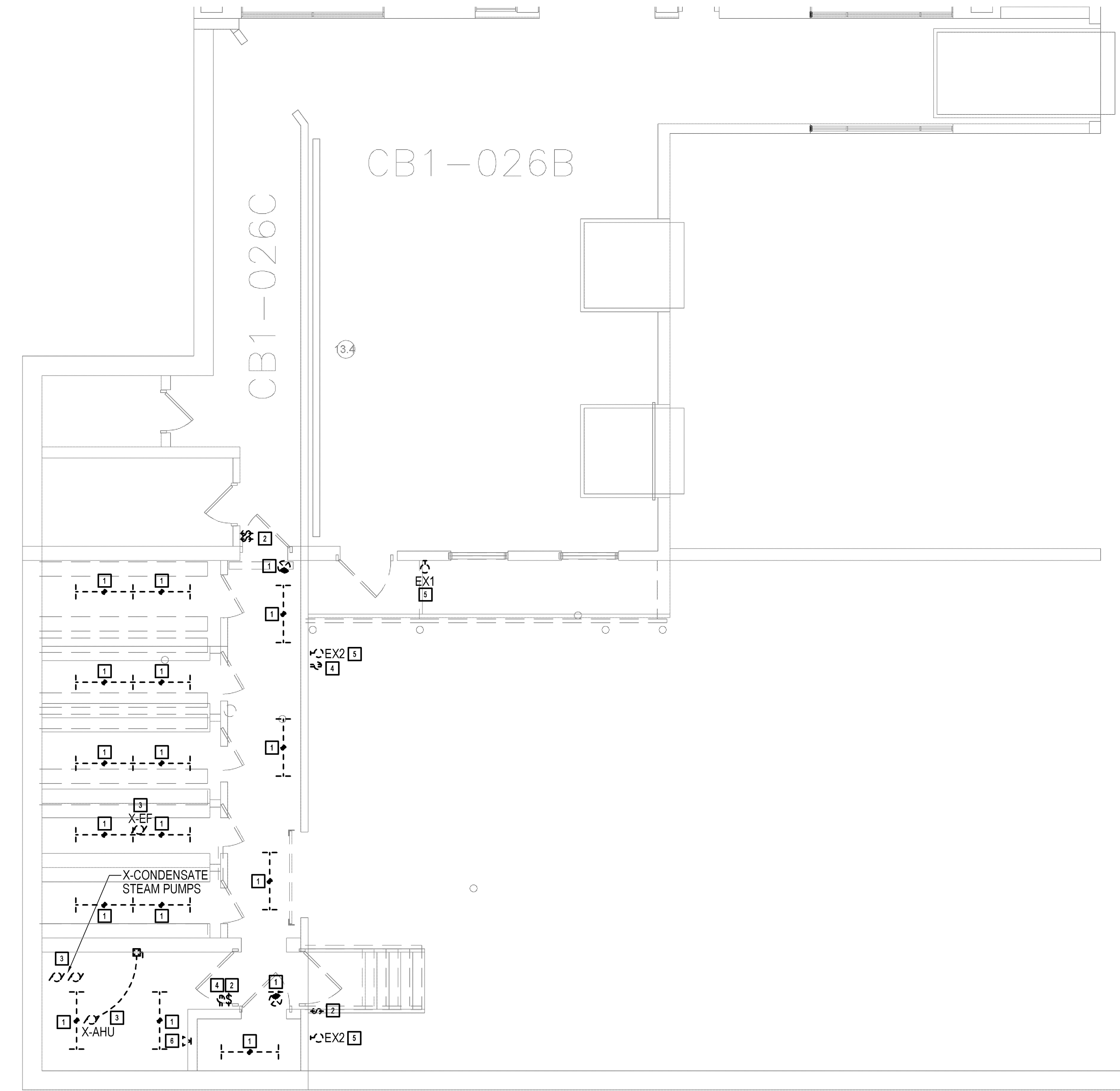
 Department of
Veterans Affairs

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



F2 ELECTRICAL PANEL LOCATIONS PLAN
3/32" = 1'-0"




KEY NOTES
REFER TO PANEL SCHEDULES FOR NEW CIRCUITING
REQUIRED TO SERVE THE PHARMACY CACHE AREA.



F1 ELECTRICAL DEMO PLAN
3/16" = 1'-0"

DEMOLITION NOTES
1 DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE AND ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT.
2 DISCONNECT AND REMOVE EXISTING LIGHT SWITCHES AND ALL ASSOCIATED WIRING AND CONDUIT.
3 DISCONNECT AND REMOVE BRANCH CIRCUIT FOR EXISTING MECHANICAL EQUIPMENT, INCLUDING MOTOR STARTER AND ALL ASSOCIATED WIRING AND CONDUIT.
4 DISCONNECT AND REMOVE EXISTING RECEPTACLE AND ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT.
5 REMOVE/SALVAGE EXISTING LIGHT FIXTURE FOR REUSE. REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT.
6 DISCONNECT AND REMOVE EXISTING TELEPHONE OUTLET AND ASSOCIATED TELEPHONE WIRING AND CONDUIT.

100% CONSTRUCTION DOCUMENTS

		CONSULTANTS:	ARCHITECT/ENGINEERS: 13100 watertown plank road suite 200 elm grove, wi 53122 p 262.641.0746 f 888.600.6207	  NW 9221195 JOHNSON DR, STE 180, 262.549.1190 WAUKESHA, WI 53186 f 262.549.1620	Drawing Title ELECTRICAL PANEL LOCATIONS AND DEMO PLANS	Project Title Middleton VAH Construct Pharmacy Cache	Project Number 607-13-101	Office of Construction and Facilities Management  Department of Veterans Affairs
					Building Number 19			
					Drawing Number E100			
					Location Madison, WI			
					Date May 13, 2013	Checked DS	Drawn JSF	
Revisions:	Date							

one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
seven inches = one foot
eight inches = one foot
nine inches = one foot
ten inches = one foot
eleven inches = one foot
twelve inches = one foot
thirteen inches = one foot
fourteen inches = one foot
fifteen inches = one foot
sixteen inches = one foot
seventeen inches = one foot
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nineteen inches = one foot
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twenty three inches = one foot
twenty four inches = one foot
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twenty seven inches = one foot
twenty eight inches = one foot
twenty nine inches = one foot
thirty inches = one foot
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fifty inches = one foot
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seventy inches = one foot
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seventy five inches = one foot
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seventy eight inches = one foot
seventy nine inches = one foot
eighty inches = one foot
eighty one inches = one foot
eighty two inches = one foot
eighty three inches = one foot
eighty four inches = one foot
eighty five inches = one foot
eighty six inches = one foot
eighty seven inches = one foot
eighty eight inches = one foot
eighty nine inches = one foot
ninety inches = one foot
ninety one inches = one foot
ninety two inches = one foot
ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot

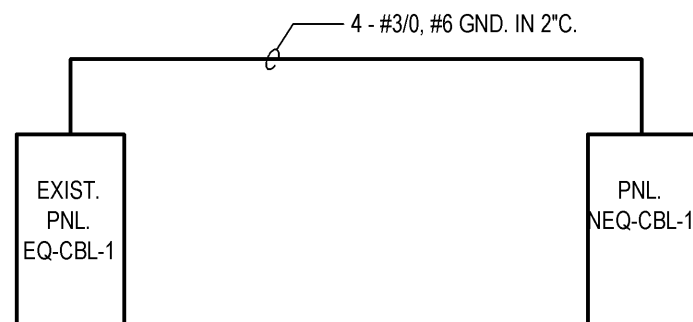
SPECIAL PURPOSE OUTLET SCHEDULE												
MARK	TO FEED	LOCATION	KW	FLA	VOLT	PH	FEED FROM	BREAKER	RECP	TYPE	SEE	
							PANEL	SIZE	POLE	DIRECT	OTHER	NOTE
1	DOOR LOCK POWER SUPPLY	PHARM. CACHE	0.050	0.42	120	1	LS-CBL-1	18	20	1	X	
2	DOOR LOCK POWER SUPPLY	PHARM. CACHE	0.050	0.42	120	1	LS-CBL-1	18	20	1	X	
3	WIRELESS ACCESS POINT	PHARM. CACHE	0.015	0.125	120	1	NEQ-CBL-1	14	20	1	X	
4	NOT USED		-	-	-	-	-	-	-	-	-	
5	HVAC CONTROL PANEL	PHARM. CACHE	0.5	-	120	1	NEQ-CBL-1	18	15	1	X	
6	JACE CONTROL PANEL	PHARM. CACHE	0.5	-	120	1	NEQ-CBL-1	20	15	1	X	
7	MAG LOCK POWER SUPPLY	PHARM. CACHE	0.050	0.42	120	1	NEQ-CBL-1	16	20	1	X	

MOTOR WIRING SCHEDULE																					
NO.	DRIVING	LOC.	HP	FLA	VOLT	PH.	FEED FROM		BREAKER		STARTER				DISCONNECT				REMARKS		
							PANEL	CIRCUIT	SIZE	POLE	TYPE	FURN	INS	WIRED	LOC.	TYPE	FURN	INS		WIRED	LOC.
1	AIR HANDLING UNIT AHU-147	PHARM. CACHE		1	30 MCA	208	3	NEQ-CBL-1	1.3.5	45	3	MAG	MFR	MFR	MFR	IU	DS	MFR	EC	EC	OU
2	RELIEF FAN RF-1	PHARM. CACHE	1/6	4.4	120	1		NEQ-CBL-1	2	15	1	-	-	-	-	-	DS	MC	EC	EC	NU
3	ROLL-UP ACCESS DOOR	PHARM. CACHE	0.5	2.5	208	3		NEQ-CBL-1	13.15.17	15	3	MAGREV	MFR	MFR	MFR	OU	FD	EC	EC	EC	NU

LIGHTING FIXTURE SCHEDULE										
FIXT.	DESCRIPTION	LAMPING			VOLT	MOUNT	CEILING	MANUFACTURER	CATALOG NUMBER	ACCESSORIES
		NO.	TYPE	INPUT						
A1	4' LED ENCLOSED INDUSTRIAL	-	4170 LUMEN, 4100K	59W	120V	SURFACE	-	LITHONIA	VAP-S9W-SYM	5,6
A1	4' FLUORESCENT ENCLOSED INDUSTRIAL	2	32WT8	59W	120V	SURFACE	-	LITHONIA	DMW-2-32WT8-MVOLT-GERIOPS-STFL-BCD	7
EX1	RELOCATED EXISTING EXTERIOR LIGHT									1
EX2	RELOCATED EXISTING EXTERIOR LIGHT									1
X1	SINGLE FACED, WALL MOUNTED EXIT SIGN - DAMP LOCATION RATED	-	LED W UNIT	1W	120V	SURFACE	VARIES	LITHONIA	LE-S-W-1-R-120277-DL	2,3,4

- LIGHTING FIXTURE SCHEDULE GENERAL NOTES:
- CONTRACTOR SHALL CONFIRM CEILING TYPE REQUIREMENTS PRIOR TO THE RELEASE OF THE ORDER.
 - CATALOG NUMBERS ARE TO PROVIDE GUIDANCE ONLY AND MAY NOT BE COMPLETE.
 - FIXTURES SPECIFIED TO MEET DESIGN INTENT.
 - PROVIDE ALL EQUIPMENT AND ACCESSORIES NECESSARY FOR A COMPLETE AND FUNCTIONAL INSTALLATION.

- LIGHTING FIXTURE SCHEDULE KEY NOTES:
- CLEAN, RELAMP AND REBALLAST FIXTURE PRIOR TO REINSTALLING IN NEW LOCATION. TOUCH UP PAINT IF NECESSARY.
 - FIELD SELECTABLE CHEVRONS SHALL BE APPLIED OR INSTALLED/REMOVED AS INDICATED ON PLANS AND AS REQUIRED BY ALL GOVERNING CODES.
 - PROVIDE NUMBER OF FACES AS INDICATED ON PLANS AND AS REQUIRED BY ALL GOVERNING CODES.
 - ALL EXIT SIGNS MUST MEET ALL CITY, STATE, VA STANDARDS AND NATIONAL CODES INCLUDING BUT NOT LIMITED TO IBC 1011 AND ANSI-A117.1 SEC 703.
 - VERIFY FIXTURE MOUNT PRIOR TO ORDERING FIXTURES.
 - BASE BID
 - ALTERNATE DEDUCTIVE BID



NOTE:
1. REUSE EXISTING 200A/3P SPARE BREAKER IN EXISTING PANEL EQ-CBL-1 TO FEED NEW PANEL NEQ-CBL-1.

F1 ONE LINE DIAGRAM
NO SCALE

PANEL LS-CBL-1 (EXISTING)																						
MOUNT		SPACES		LOCATION		VOLTAGE		PH		WIRE		MAIN BUS RATING		MCB		MLO		WIRE			CONDUIT	
SURFACE		42		RM. CB1-010		120/208		3		4		225A		-		225A						
POLE NO.	BREAKER POLE	AMP	OUTLET			DESCRIPTION	VA	PHASE LOAD VA			VA	DESCRIPTION	OUTLET			BREAKER POLE	AMP	POLE NO.				
			LGT	REC	MIS			A	B	C			LGT	REC	MIS							
1	1	20				BASEMENT FL.						EM. BASEMENT CORR. LT.						1	20	2		
3	1	20				BASEMENT FL.						BASEMENT EXIT LT.						1	20	4		
5	1	20				HOSPITAL CLOCKS						CODE ORANGE MENTAL HYGIENE						1	20	6		
7	1	20				VISUAL PAGE						JCI CONTROL PNL B2						1	20	8		
9	1	20				BLOODBANK						EM. LT. AUDITORIUM						1	20	10		
11	1	20				REC. B1078 WEST WALL						COMP. FIRE PROTECTION						1	20	12		
13	1	20				REC. B1078 2 GANG (S)						EM. LT. C-010						1	20	14		
15	1	20				REC. B1078 2 GANG (N)						REC. & LT. N WALL C-010						1	20	16		
17	1	20				REC. C-036					100	100 PHARMACY CACHE DOOR LOCKS				X		1	20	18		
19						-						REC. C-013							1	20	20	
21	3	40				A/C C-120						REC. C-013						1	20	22		
23						-					236	236 PHARMACY CACHE EM. LIGHTS				X		1	20	24		
25	1	20				LT. B-07						TIME-CLOCK-FIRE-ALARM						1	20	26		
27	1	20				LT. TEL. RM. B-07A						LT. PIPE STORAGE RM.						1	20	28		
29	1	20				LT. B-07						LIGHTNING SUPPRESSOR						1	20	30		
31						-						LIGHTNING SUPPRESSOR						1	20	32		
33	3					SPARE						LIGHTNING SUPPRESSOR						1	20	34		
35						-						208 CB1-036AC							2	20	36	
37	1	20				SPARE															38	
39	1	20				JOCKEY PUMP C-035					2	2 PHARMACY CACHE EXIT LIGHTS				X		1	20	40		
41	1	20				FIRE ALARM C-035						SPARE						1	20	42		
PHASE TOTALS:										2	336	PHASE TOTALS										
TOTAL VA:												338	:TOTAL VA									

PANEL CBL-2A (EXISTING)																					
MOUNT		SPACES		LOCATION		VOLTAGE		PH		WIRE		MAIN BUS RATING		MCB		MLO		WIRE		CONDUIT	
FLUSH		42		RM. CB1-026		120/208		3		4		200A		200A							
POLE NO.	BREAKER POLE	OUTLET			DESCRIPTION	VA	PHASE LOAD VA			VA	DESCRIPTION	OUTLET			BREAKER POLE	AMP	POLE NO.				
		LGT	REC	MIS			A	B	C			LGT	REC	MIS							
1	1	20			P - CD16 NORTH WALL						RECYCLE ROOM BATTERY CHARGER						2				
3	1	20			P - CD16 EAST WALL						RECYCLE ROOM HEATER BLOWER				1	20	4				
5	1	20			CD16 SPARE						RECYCLE ROOM POP CAN BOILER				1	20	6				
7	1	20			CD16 EAST WALL						A/C ROOM C-025				2	15	8				
9	1	20			P - CD16 EAST WALL												10				
11	1	20			P - CD16 EAST WALL												12				
13	1	20			P - CD16 WEST WALL						SPARE TO CB1-027				3	20	14				
15	1	20			P - CD16 WEST WALL												16				
17	1	20			P - CD16 WEST WALL						BATTERY CHARGER CB1-027				1	20	18				
19	1	20			SPARE						BATTERY CHARGER CB1-027				1	20	20				
21	1	20			SPARE						BATTERY CHARGER CB1-027				1	20	22				
23	1	20			SPARE					900	PHARMACY CACHE RECEPT. - REFRIG.			X	1	20	24				
25	1	20			SPARE				540		PHARMACY CACHE RECEPTACLES			X	1	20	26				
27	1	20			SPARE				720		PHARMACY CACHE RECEPTACLES			X	1	20	28				
29	1	20			SPARE					540	PHARMACY CACHE RECEPTACLES			X	1	20	30				
31	1	20			SPARE				418		PHARMACY CACHE LIGHTING			X	1	20	32				
33	1	20			SPARE						SPARE				1	20	34				
35	1	20			SPARE						SPARE				1	20	36				
37	1	20			SPARE						SPARE				1	20	38				
39	1	20			SPARE						SPARE				1	20	40				
41	1	20			SPARE						SPARE				1	20	42				
PHASE TOTALS							958	720	1440		PHASE TOTALS										
TOTAL VA										3,118	TOTAL VA										

PANEL NEQ-CBL-1 (NEW)																									
MOUNT		SPACES		LOCATION		VOLTAGE		PH	WIRE	MAIN BUS RATING			MCB		MLO		WIRE			CONDUIT					
SURFACE		42		PHARM. CACHE		120/208		3	4	225A			200A												
POLE NO.	BREAKER	OUTLET			DESCRIPTION				VA	PHASE LOAD VA			VA	DESCRIPTION				OUTLET			BREAKER		POLE NO.		
NO.	POLE	AMP	LGT	REC					MIS	A	B	C	LGT					REC	MIS	POLE	AMP	NO.			
3	3	45			X	AIR HANDLING UNIT AHU-1 (MTR.#1)				3122	3650		3122		528	RELIEF FAN RF-1 (MTR.#2)						X	1	15	2
5										3122						SPARE							1	20	4
7										3122			3493	371		PHARMACY CACHE LIGHTING						X	1	20	6
9											960			960		PHARMACY CACHE RECEPT. - REFRIG.						X	1	20	8
11												180		180		PHARMACY CACHE RECEPT. - COMPUTER						X	1	20	10
13													360	360		PHARMACY CACHE RECEPTACLES						X	1	20	12
15											288	303			100	WIRELESS ACCESS POINT (SPO #3)						X	1	20	14
17	3	15			X	PHARMACY CACHE COILING DOOR (MTR.#3)				288			388		150	MAG LOCK POWER SUPPLIES (SPO #7)						X	1	20	16
19										288				788	500	HVAC CONTROL PANEL						X	1	15	18
21											500				500	JACE CONTROL PANEL						X	1	15	20
23												180			180	ROOF RECEPTACLE						X	1	20	22
25																									24
27																									26
29																									28
31																									30
33																									32
35																									34
37																									36
39																									38
41																									40
PHASE TOTALS:									5413	3870	4641	PHASE TOTALS												42	
TOTAL VA:									10,230	TOTAL VA															